

Monthly Progress Report #4

October 2004

**Falcon Refinery Superfund Site
Ingleside
San Patricio County, Texas
TXD 086 278 058**

Prepared for

**National Oil and Recovery Corporation
3717 Bowne Street
Flushing, NY 11354**

November 10, 2004

Prepared by

**BNC Engineering, LLC.
607 River Bend Drive
Georgetown, Texas 78628**

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1.0 INTRODUCTION

This fourth Monthly Progress Report is submitted in accordance with the Falcon Refinery Site Administrative Orders on Consent for Removal Action and Remedial Investigation / Feasibility Study between the U.S. Environmental Protection Agency (U.S. EPA) and National Oil Recovery Corporation (NORCO).

This Monthly Progress Report and subsequent reports will address activities associated with both of the orders.

The next monthly progress report covering November, 2004 will be submitted on or before December 10, 2004.

2.0 COMPLETED ACTIVITIES

2.1 Removal Action Activities

Since activities are now being performed on a daily basis each day begins with a safety meeting about general hazards and specific concerns of each days anticipated actions.

Electricity has been obtained and the on-site office is fully functional.

Waste codes have been obtained and liquid disposal documentation and approvals have been obtained from the TCEQ and EPA.

Contracting with Texas Molecular was completed and the liquid in the tanks at the site will be disposed of in the Texas Molecular deep well injection well. All aspects of the liquid disposal have been approved by the EPA and TCEQ.

Hoses and valves were purchased to accommodate efficiently loading the tanker trucks that will be transporting the waste to the deep well injection well.

Approximately 55,000 gallons of liquid waste were removed during the month from Tanks 26 and 27. A copy of one of the waste manifests is included in Appendix A. Due to the number of shipments (an average of nine each day) the remainder of the manifests will not be included in these reports. The originals are available at the BNC office in Georgetown.

Soon after contracting to remove liquid waste, the injection well was placed out of service for routine maintenance, which stopped shipments for the remainder of the month. The injection well should be in full operation in November.

Several loads of road base were delivered to the site to allow tankers to load efficiently and during rainy periods. Graders and backhoes were used during the on-site road construction activities.

During clearing and grubbing activities, buried drums were found adjacent to Tank 13. The drums, which had apparently been emptied and crushed prior to burial, were removed with the assistance of a backhoe and loaded into a 25 yds³ roll-off box that was delivered to the site for metal waste and the disposal of work clothing.

An underground used oil sump was also discovered during grubbing operations. The sump was adjacent to a former compressor and was apparently used to store the used oil.

During the month there were periods of substantial rain that flooded the firewalls of Tanks 26 and 27. Due to previously spilled oil in the firewalls a layer of crude was detected on top of the water that was flooding the areas around the tanks. Two frac tanks and pumps were used to remove the oil and water from the areas. After the oil and water separate the oil will be recycled and the water will be disposed of by Texas Molecular. Measurement of the contents of the frac tank revealed that there were 30,000 gallons of oil and 5,000 gallons of water.

Contacts have been made with a recycling company to remove any recoverable fuel in the tanks at the site. The contractor is in the process of meeting all CERCLA requirements to remove the fuel. No shipments will be made without EPA and TCEQ approval.

The Removal Action requires the treatment or disposal of grossly contaminated soil. An assessment was made of the areas with visibly impacted soil and the volume of material was estimated at approximately 6,000 yds³. NORCO is proposing to remediate the soil on-site in a treatment landfarm. To initiate the process soil samples were obtained of the impacted soil. The results are discussed in Section 7 of this report.

Subcontractors that are bidding to perform demolition and recycling activities have been to the site. When a subcontractor is selected the EPA will be notified and the site safety plan may be augmented.

The Asbestos Survey Report is included as Appendix B. Prior to any demolition activities an asbestos management plan will be developed.

2.2 Remedial Investigation / Feasibility Study (RI/FS)

The EPA is reviewing the draft 1) RI/FS Work Plan, 2) RI/FS Field Sampling Plan, 3) RI/FS Quality Assurance/Quality Control Project Plan (QA/QCPP), 4) Safety and Health Plan and the 5) Quality Management Plans, which were provided to the EPA, TCEQ and applicable state and federal trustees on September 7, 2004.

3.0 CHANGES MADE IN THE PLANS DURING THE REPORTING PERIOD

Oil and rainwater that accumulated around Tanks 26 and 27 was pumped out into two frac tanks that were delivered to the site. This was an unexpected activity that was not addressed in the Removal Action Work Plan.

4.0 COMMUNITY RELATIONS

The project web site www.falcon-refinery.com is operational and available for review by the public. Included at the web site are links to all approved project documents, PowerPoint presentations, contact information, site photographs, monthly progress reports and notifications of future meetings when they are announced.

5.0 CHANGES IN PERSONNEL DURING THE REPORTING PERIOD

In addition to Bill Hoskins, BNC has hired and safety trained three employees to perform routine maintenance at the site. All new employees are aware of and comply with the site safety plan.

6.0 LIST OF PROJECTED WORK FOR THE NEXT TWO MONTHS

6.1 Removal Action Work projected for the next two months includes:

- Continuing the removal and disposal of liquids from the storage tanks and pipelines;
- Characterization, and disposal of drums;
- Selecting the specialized demolition contractor(s);
- Initiating permitting of a bioremediation cell to treat impacted soil; pending EPA and TCEQ approval;
- Removal of debris;
- Continued site maintenance;
- Demolition of some storage tanks; and
- Recycling of crude oil in the storage tanks.

6.2 RI/FS Work projected for the next two months includes:

- Making amendments to the RI/FS Work Plan, pending comments from the EPA and submitting the final RI/FS Work Plan.

- Implementing the RI/FS Work Plan.

7.0 COPIES OF LABORATORY / MONITORING DATA

On September 29, 2004 soil samples were obtained around Tanks 27, 26 and 7 for the determination of grossly contaminated soil as required by the Removal Action Work Plan (RAW). At each tank two soil samples were obtained and analyzed for volatiles, semi-volatiles, metals and total petroleum hydrocarbons (TPH). Results of the sampling, which are provided in Appendix C, indicated that no volatile organics were detected, metals were in the expected range of soil in the area, the only semivolatile compound was phenanthrene with a maximum value of 72 mg/kg and there were elevated results for TPH. It should be noted that the reporting limits identified in the analytical reports (Appendix C - Soil Analytical Results) may or may not be applicable to the planned Remedial Investigation and Feasibility Study.

Sampled soil was visibly impacted by hydrocarbons and the elevated TPH concentrations were expected. The results which were non-detect in the c6-c12 range were typical of spilled crude oil. The maximum values for various carbon ranges were c12-c28 (49,300 mg/kg) and >c28-c35 (30,400 mg/kg).

As discussed in the RAW, NORCO anticipates excavating this soil and treating the material on site in a plastic lined treatment cell. Prior to excavating the soil or construction of the treatment cell, NORCO will obtain approval by the EPA and TCEQ.

Appendix A

Waste Manifest

Appendix B

Asbestos Survey Report

Appendix C

Soil Analytical Results

September 14, 2004

BNC Engineering, LLC
607 River Bend Drive
Georgetown, Texas 78628

Attn: Mr. James Blackwell, P.E.

RE: Asbestos Survey/Inspection
Former Norco Refinery
FM 2725 & Bishop Road
Ingleside, Texas
PSI Project No.: 435-4A061

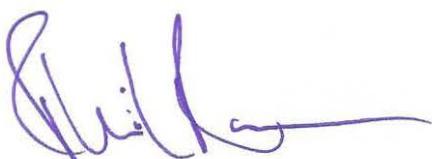
Dear Mr. Blackwell,

In accordance with our agreement, Professional Service Industries, Inc. (PSI) is providing two (2) copies of our progress report for the above referenced project.

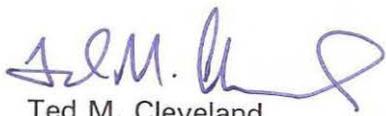
We appreciate the opportunity to provide our services on this project and would be pleased to continue our role as your consultant for future investigations. If we can be of further assistance, or if you have any questions regarding this report, please feel free to contact us.

Respectfully submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.



Phil Rasor
Environmental Specialist



Ted M. Cleveland
Vice President

Asbestos Survey/Inspection



For

**Former Norco Refinery
FM 2725 & Bishop Road
Ingleside, Texas**

Prepared for

**BNC Engineering, LLC
607 River Bend Drive
Georgetown, Texas 78628**

Prepared by

**Professional Service Industries, Inc. (PSI)
3 Burwood Lane
San Antonio, Texas 78216**

PSI Project No. 435-4A061

September 14, 2004

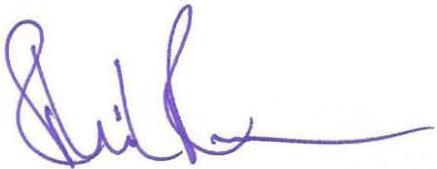
Asbestos Survey/Inspection

For

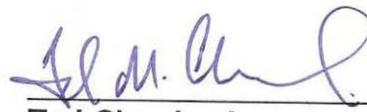
**Former Norco Refinery
FM 2725 & Bishop Road
Ingleside, Texas**

Prepared for

**BNC Engineering, LLC
607 River Bend Drive
Georgetown, Texas 78628**



**Phil Rasor
Asbestos Management Planner
TDH No. 20-5552**



**Ted Cleveland
Asbestos Consultant
TDH No. 10-5210**

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 - Laboratory Analysis
 - Photo Log of ACBM Identified
 - Inspector Certification
 - Glossary of Terms



INTRODUCTION

Professional Service Industries, Inc. (PSI) was retained by Mr. James Blackwell, P.E. of BNC Engineering, LLC to conduct a survey for suspect asbestos-containing building materials (ACBM) at the former Norco Refinery located at FM 2725 and Bishop Road in Ingleside, Texas. The survey was conducted from August 17 through August 19, 2004. As requested, PSI returned to the site on September 1, 2004, to collect samples of thermal system insulation concealed in garbage bags located in an abandoned control room. The report has been prepared for the exclusive use of BNC Engineering, LLC.

PSI understands that the former Texas Department of Health (TDH) became part of the Department of State Health Services as of September 1, 2004. However, PSI continues to refer to this governing body as TDH in order to comply with the regulations as outlined in the Texas Asbestos Health Protection Rules dated March 2003.

Purpose

The purpose of the survey was to provide general information for the Former Norco Refinery regarding the presence of accessible and/or exposed building materials which commonly contain asbestos.

As directed by the client, PSI did not provide any service to investigate or detect the presence of moisture, mold or other biological contaminates in or around any structure, or any service that was designed or intended to prevent or lower the risk of the occurrence of the amplification of the same. Client acknowledges that mold is ubiquitous to the environment with mold amplification occurring when building materials are impacted by moisture. Client further acknowledges that site conditions are outside of PSI's control, and that mold amplification will likely occur, or continue to occur, in the presence of moisture. As such, PSI cannot and shall not be held responsible for the occurrence or recurrence of mold amplification.

Warranty

The field and laboratory results reported herein are considered sufficient in detail and scope to determine the presence of accessible and/or exposed suspect ACBM in the Former Norco Refinery. Professional Service Industries, Inc. warrants that the findings contained herein have been prepared in general accordance with accepted professional practices at the time of its preparation as applied by similar professionals in the community. Changes in the state of

INTRODUCTION

the art or in applicable regulations cannot be anticipated and have not been addressed in this report.

The survey and analytical methods have been used to provide the client with information regarding the presence of accessible and/or exposed suspect ACBM existing at the Former Norco Refinery at the time of inspection. Test results are valid only for the material tested. There is a distinct possibility that conditions may exist which could not be identified within the scope of the study or which were not apparent during the site visit. This inspection covered only those areas which were exposed and/or physically accessible to the inspector. The study is also limited to the information available from the client at the time it was conducted.

No other warranties are implied or expressed.

METHODOLOGY

SURVEY METHODOLOGY

Inspection Procedures

The asbestos survey was performed by an EPA accredited, Texas Department of Health (TDH) licensed asbestos inspector. An initial walkthrough of the Former Norco Refinery was conducted to determine the presence of suspect materials which were accessible and/or exposed. Materials which were similar in general appearance were grouped into homogeneous sampling areas.

Sampling Procedures

Following the walkthrough, the TDH licensed asbestos inspector collected samples of selected materials identified as suspect ACM. Sampling was limited to those materials which were accessible and did not involve destruction of walls, other building elements, physical barriers, or the structural integrity of the item being tested.

TDH guidelines were used to determine the sampling protocol. Sampling locations were chosen to be representative of the homogeneous sampling area. While an effort was made to collect samples randomly, samples were taken preferentially from already damaged areas or areas which were the least visible to minimize disturbance of the material.

LABORATORY METHODOLOGY

Method of Analysis

Analysis was performed by using bulk sample for visual observation and slide preparation(s) for microscopic examination and identification. The samples were mounted on slides and then analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/tremolite), fibrous non-asbestos constituents (mineral wool, paper, etc.) and non-fibrous constituents. Asbestos was identified by refractive indices, morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics were used to identify the non-asbestos constituents.

The microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample, using a stereoscope.

METHODOLOGY

Laboratory Quality Control

PSI's laboratory maintains an in-house quality control program which consists of blind reanalysis of ten percent of all samples, precision and accuracy controls, and use of standard bulk reference materials.

INSPECTION REPORT

From August 17 through August 19, 2004, a representative of Professional Service Industries, Inc. (PSI) conducted a visual inspection and sampling survey for the Former Norco Refinery located at FM 2725 and Bishop Road in Ingleside, Texas. As requested, PSI returned to the site on September 1, 2004, to collect samples of thermal system insulation concealed in garbage bags located in an abandoned control room. The survey began with an initial walkthrough of the facility in order to identify suspect ACBM and to develop a sampling strategy.

During the site inspection, the inspector subdivided the facility into eleven (11) units. These units are described in this report as Area A through Area K, as noted on the Site Vicinity Map attached and incorporated into this report.

One hundred and sixty-five (165) bulk samples were collected in areas throughout the Former Norco Refinery. Suspect materials sampled during our survey included various smokestack, storage tank, and pipe insulations; various mastics associated with pipe coverings; gasket materials; corrugated cement-asbestos panels; corrosion protection material; white insulation cloths; plaster; various 12"x12" floor tiles and associated mastics; sheet vinyl; various suspended ceiling tiles; covebase mastics; roofing materials; sink undercoating; drywall and joint compound; exterior caulk located at various smokestacks; silver weatherproofing; and bagged insulation located in an abandoned control room. The bulk samples obtained from the Former Norco Refinery were analyzed in PSI's laboratory using polarized light microscopy with dispersion staining techniques (PLM/DS). The following materials were found to contain asbestos:

FORMER NORCO REFINERY

Homo. Area	Material Type	Material Location	Percent Asbestos
05	Gasket Material	Area A – Gaskets Found on Ground	NAD – 20% CH ¹
06	Cement-Asbestos Panels	Area B – Corrugated Panels at Cooling Towers	15% CH
13	White Insulation Cloth	Area C – At Patched Areas in Pipe Runs	45% CH
18	White Insulation Cloth	Area D – At Patched Areas in Pipe Runs	80% CH
25	Gasket Material	Area E – Gaskets Found on Ground	30% CH ¹

INSPECTION REPORT

26	Black Roofing Mastic	Area E – Room Roof at Various Areas	Control	10% CH
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FORMER NORCO REFINERY, CONTINUED

Homo. Area	Material Type	Material Location	Percent Asbestos
32	Gasket Material	Area F – Found on Ground	Gasket 20% CH ¹
33	Tar Flood Coat	Area F – Throughout Control Room Roof	7% CH
37	Gasket Material	Area G – Flange of Removed Section of Piping	At 65% CH ¹
39	Sink Undercoating	Area H – Sink in Small Office Structure	Double 4% CH
43	Gasket Material	Area H – Flange of Removed Section of Piping	At NAD – 15% CH ¹
48	Drywall & Joint Compound	Area K – Throughout Walls & Ceilings of Guard Shack	<1% CH (PT) ²

Notes: NAD = No Asbestos Detected / CH = Chrysotile / PT = Point Count

¹ As indicated by the analytical data, a variety of gasket materials have been utilized throughout the Former Norco Refinery. The analytical results indicate the gaskets sampled ranged from NAD to 65% Chrysotile asbestos; therefore, all discarded gaskets found on the ground and those encountered during the dismantling of the piping, smokestacks, and storage tanks should be assumed to be asbestos-containing and treated accordingly.

² The drywall associated with Homogeneous Area No. 48 was not found to contain asbestos; however, the joint compound was found to contain <1% Chrysotile asbestos by the polarized light microscopy with dispersion staining technique. The joint compound was subsequently re-analyzed by the point count method, which verified the asbestos content as <1% Chrysotile asbestos.

SUMMARY OF ACBM IDENTIFIED

- A. Homogeneous Area No. 05 consists of an indeterminable quantity of gasket materials presumably located throughout the joints/fittings and pipe flanges throughout Area A. In addition, discarded gaskets were also observed on the ground at various locations throughout Area A. The extents could not be feasibly determined by the inspector at the time of the survey. These materials are friable and in damaged condition. The gasket materials sampled in Area A were found to contain up to 20% Chrysotile asbestos. As indicated by the analytical data, a variety of gasket materials have been utilized throughout Area A; therefore, all discarded gaskets found on the ground and those encountered during the dismantling of the piping, smokestacks, and storage tanks should be assumed to be asbestos-containing. Due to the difficult nature of abating the gasket materials prior to the dismantling/demolition of the facility, PSI recommends that BNC Engineering, a TDH licensed asbestos abatement contractor, and a TDH licensed individual asbestos consultant coordinate efforts in order to devise a method of abatement that is in accordance with all applicable state and federal regulations. The method of abatement selected should then be incorporated into the design phase of the project.
- B. Homogeneous Area No. 06 consists of approximately 4,500 square feet of corrugated cement-asbestos panels located throughout the structural walls of the two (2) cooling towers in Area A. The roof decks, filling materials, and exhaust casings are constructed of non-suspect materials. The corrugated cement-asbestos panels are non-friable and in damaged condition. The corrugated cement-asbestos panels were found to contain 15% Chrysotile asbestos and should be removed and disposed of by a TDH licensed asbestos abatement contractor prior to any dismantling or demolition activities.
- C. Homogeneous Area No. 13 consists of approximately 100 linear feet of white insulation cloth applied to various damaged areas in the piping system at Area C. This material is friable and in damaged condition. The white insulation cloth was found to contain 45% Chrysotile asbestos and should be removed and disposed of by a TDH licensed asbestos abatement contractor prior to any dismantling or demolition activities.
- D. Homogeneous Area No. 18 consists of approximately 50 linear feet of white insulation cloth applied to various damaged areas in the piping system at Area D. This material is friable and in damaged condition. The

SUMMARY OF ACBM IDENTIFIED

white insulation cloth was found to contain 80% Chrysotile asbestos and should be removed and disposed of by a TDH licensed asbestos abatement contractor prior to any dismantling or demolition activities.

- E. Homogeneous Area No. 25 consists of an indeterminable quantity of gasket materials presumably located throughout the joints/fittings and pipe flanges throughout Area E. In addition, discarded gaskets were also observed on the ground at various locations throughout Area E. The extents could not be feasibly determined by the inspector at the time of the survey. These materials are friable and in damaged condition. The gasket materials sampled in Area E were found to contain 30% Chrysotile asbestos. Based on the non-homogeneous nature of the gasket materials utilized throughout the facility, all discarded gaskets found on the ground and those encountered during the dismantling of the piping, smokestacks, and storage tanks should be assumed to be asbestos-containing. Due to the difficult nature of abating the gasket materials prior to the dismantling/demolition of the facility, PSI recommends that BNC Engineering, a TDH licensed asbestos abatement contractor, and a TDH licensed individual asbestos consultant coordinate efforts in order to devise a method of abatement that is in accordance with all applicable state and federal regulations. The method of abatement selected should then be incorporated into the design phase of the project.
- F. Homogeneous Area No. 26 consists of approximately 50 square feet of black roofing mastic applied to the base of the roof-mounted HVAC unit, the condensation drain line, vents and at various areas on the roof of the Control Room in Area E. This material is non-friable and in damaged condition. The black roofing mastic was found to contain 10% Chrysotile asbestos and should be removed and disposed of by a TDH licensed asbestos abatement contractor prior to any demolition activities.
- G. Homogeneous Area No. 32 consists of an indeterminable quantity of gasket materials presumably located throughout the joints/fittings and pipe flanges throughout Area F. In addition, discarded gaskets were also observed on the ground at various locations throughout Area F. The extents could not be feasibly determined by the inspector at the time of the survey. These materials are friable and in damaged condition. The gasket materials sampled in Area F were found to contain 20% Chrysotile asbestos. Based on the non-homogeneous nature of the

SUMMARY OF ACBM IDENTIFIED

gasket materials utilized throughout the facility, all discarded gaskets found on the ground and those encountered during the dismantling of the piping, smokestacks, and storage tanks should be assumed to be asbestos-containing. Due to the difficult nature of abating the gasket materials prior to the dismantling/demolition of the facility, PSI recommends that BNC Engineering, a TDH licensed asbestos abatement contractor, and a TDH licensed individual asbestos consultant coordinate efforts in order to devise a method of abatement that is in accordance with all applicable state and federal regulations. The method of abatement selected should then be incorporated into the design phase of the project.

- H. Homogeneous Area No. 33 consists of approximately 150 square feet of tar flood coat located throughout the roof of the Control Room in Area F. This material is non-friable and in damaged condition. The tar flood coat was found to contain 7% Chrysotile asbestos and should be removed and disposed of by a TDH licensed asbestos abatement contractor prior to any demolition activities.
- I. Homogeneous Area No. 37 consists of an indeterminable quantity of gasket materials presumably located throughout the joints/fittings and pipe flanges throughout Area G. In addition, discarded gaskets were also observed on the ground at various locations throughout Area G. The extents could not be feasibly determined by the inspector at the time of the survey. These materials are friable and in damaged condition. The gasket materials sampled in Area G were found to contain 65% Chrysotile asbestos. Based on the non-homogeneous nature of the gasket materials utilized throughout the facility, all discarded gaskets found on the ground and those encountered during the dismantling of the piping, smokestacks, and storage tanks should be assumed to be asbestos-containing. Due to the difficult nature of abating the gasket materials prior to the dismantling/demolition of the facility, PSI recommends that BNC Engineering, a TDH licensed asbestos abatement contractor, and a TDH licensed individual asbestos consultant coordinate efforts in order to devise a method of abatement that is in accordance with all applicable state and federal regulations. The method of abatement selected should then be incorporated into the design phase of the project.

SUMMARY OF ACBM IDENTIFIED

- J. Homogeneous Area No. 39 consists of sink undercoating located at the double-sink in the Pump House at Area G. This material is non-friable and in damaged condition. The sink undercoating was found to contain 4% Chrysotile asbestos and should be removed and disposed of by a TDH licensed asbestos abatement contractor prior to any demolition activities.
- K. Homogeneous Area No. 43 consists of an indeterminable quantity of gasket materials presumably located throughout the joints/fittings and pipe flanges throughout Area H. In addition, discarded gaskets were also observed on the ground at various locations throughout Area H. The extents could not be feasibly determined by the inspector at the time of the survey. These materials are friable and in damaged condition. The gasket materials sampled in Area H were found to contain up to 15% Chrysotile asbestos. Based on the non-homogeneous nature of the gasket materials utilized throughout the facility, all discarded gaskets found on the ground and those encountered during the dismantling of the piping, smokestacks, and storage tanks should be assumed to be asbestos-containing. Due to the difficult nature of abating the gasket materials prior to the dismantling/demolition of the facility, PSI recommends that BNC Engineering, a TDH licensed asbestos abatement contractor, and a TDH licensed individual asbestos consultant coordinate efforts in order to devise a method of abatement that is in accordance with all applicable state and federal regulations. The method of abatement selected should then be incorporated into the design phase of the project.
- L. Homogeneous Area No. 48 consists of drywall and joint compound located throughout the walls and ceiling of the Guard Shack (Area K) near the main entrance to the facility. These materials are friable and in significantly damaged condition. The drywall was not found to contain asbestos; however, the joint compound was found to contain <1% Chrysotile asbestos by the polarized light microscopy with dispersion staining technique. The joint compound was subsequently re-analyzed by the point count method, which verified the asbestos content as <1% Chrysotile asbestos. Therefore, the drywall and joint compound located throughout the walls and ceiling of the Guard Shack can be demolished and disposed of as a non-asbestos containing material.

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FORMER NORCO REFINERY

Homo. Area	Category	Response Action	Extent	Abatement Design Required	Estimated Abatement Cost
05	RACM	Abate	Indeterminable	Yes	\$15,000.00 ¹
06	II	Abate	4,500 SF	Yes	\$20,000.00
13	RACM	Abate	100 LF	Yes	\$500.00
18	RACM	Abate	50 LF	Yes	\$250.00
25	RACM	Abate	Indeterminable	Yes	N/A ²
26	I	Abate	50 SF	No	\$400.00
32	RACM	Abate	Indeterminable	Yes	N/A ²
33	I	Abate	150 SF	No	\$1,500.00
37	RACM	Abate	Indeterminable	Yes	N/A ²
39	II	Abate	1 Each	No	\$150.00
43	RACM	Abate	Indeterminable	Yes	N/A ²
					Total: \$37,800.00

If abated as a single material, a project involving the removal of less than 260 linear feet, 160 square feet, or 35 cubic feet of non-friable asbestos-containing materials does not require a design.

¹ *The inspector was not able to quantify the gasket materials located throughout the facility. The provided estimated abatement cost is an approximated lump sum fee based on similar abatement projects performed by PSI. The estimated costs may significantly vary from the actual abatement costs depending on the extents of the gasket materials located throughout the facility and the method of abatement selected.*

² *The estimated abatement cost associated with Homogeneous Area Nos. 25, 32, 37 and 43 are included in the estimated abatement cost provided for Homogeneous Area No. 05.*

Projects involving the removal of >260 linear feet, >160 square feet or >35 cubic feet of asbestos-containing materials (ACM) require project design by a TDH licensed Individual Asbestos Consultant. Ten (10) days prior to the commencement of abatement of ACM, a notification must be made to the Texas Department of Health. A TDH licensed Asbestos Abatement Contractor must be used for removal of the ACM. Federal and State regulations regarding air monitoring must be considered during the course of the project. It is recommended that continuous on-site monitoring be conducted throughout the

RECOMMENDATIONS

project duration to document airborne fiber levels. Personal air monitoring is required throughout the project duration also. Federal and State regulations which are applicable include Occupational Safety and Health Administration 29 CFR 1926.1101, Environmental Protection Agency 40 CFR 763 and 40 CFR 61, and Texas Asbestos Health Protection Rules. Certain local regulations may also be applicable.

Category I non-friable asbestos-containing material (ACM) means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than one (1) percent asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR part 763, section 1, Polarized Light Microscopy. These materials should be removed if the potential for damage during renovation or demolition activities exists.

Category II non-friable ACM means any material, excluding Category I non-friable ACM, containing more than one (1) percent asbestos as determined using the methods specified in Appendix A, Subpart F, 40 CFR part 763, section 1, Polarized Light Microscopy that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. These materials should be removed if the potential for damage during renovation or demolition activities exists.

Regulated asbestos-containing material (RACM) means (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to a powder by the forces expected to act on the material in the course of demolition or renovation operations. These materials should be removed if the potential for damage during renovation or demolition activities exists.

Friable asbestos material means any material containing more than one (1) percent asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR part 763 section 1, Polarized Light Microscopy, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. These materials should be removed if the potential for damage during renovation or demolition activities exists.

RECOMMENDATIONS

Due to the deteriorated condition of the stairways, platforms, and elevated walkways; certain high smokestacks and elevated storage tanks were inaccessible to the inspector. Based on the observations made by the inspector, the considerable amount of damaged materials accessible from ground level, and the homogeneous nature of the insulating materials observed throughout the facility; it is our opinion that the suspect ACBM located at the inaccessible high smokestacks and elevated storage tanks is homogeneous with the materials sampled. It is our belief that the sampling protocol employed by the inspector adequately accounts for the suspect ACBM located at the Former Norco Refinery. However, if during dismantling/demolition activities at the Former Norco Refinery suspect ACBM not previously sampled is encountered, the demolition activities should be stopped and the suspect ACBM should be sampled and analyzed for asbestos content.

APPENDICES

- Summary of Asbestos Sample Results
- Site Drawing(s)
- Laboratory Analysis
- Inspector Certification
- Glossary of Terms

Summary of Sample Results

Summary of Sampling Results

Project: Former Norco Refinery
 Location: FM 2725 & Bishop Road – Ingleside, TX

Project No.: 435-4A061
 Survey Date: 8/17-19/2004

Homo Area	Material Description	Sample Location	Class.	F/NF	Samples	Percent Asbestos
01	Pipe Insulation	Area A – At Jacketed Pipe Runs Northeast of Boiler	TSI	F	A-01 – A-03	NAD
02	Storage Tank Insulation	Area A – At Storage Tank Northeast of Boiler	TSI	F	A-04 – A-06	NAD
03	Corrosion Protection Material	Area A – Non-insulated Sections of Piping & Pipe Rack	M	NF	A-07 – A-09	NAD
04	Corrosion Protection Material	Area A – Beneath Boiler Chamber	M	NF	A-10 – A-12	NAD
05	Gasket Material	Gaskets Found on Ground	M	F	A-13 – A15	NAD – 20% CH
06	Cement-Asbestos Panels	Area B – At Cooling Towers	M	N	B-01 – B-03	15% CH
07	Plaster	Area C – At Structural Steel Support Columns	M	N	C-01 – C-03	NAD
08	Corrosion Protection Material	Area C – At Non-insulated Sections of Piping & Base of Storage Tank	M	N	C-04 – C-06	NAD
09	Pipe Insulation	Area C – At Damaged Areas in Pipe Runs	TSI	F	C-07 – C-09	NAD
10	Large Storage Tank Insulation	Area C – At Large Storage Tank Near Northwest Corner of Area	TSI	F	C-10 – C-12	NAD
11	Small Storage Tank Insulation	Area C – At Small Storage Tank Near Southeast Corner of Area	TSI	F	C-13 – C-15	NAD
12	Large Storage Tank Insulation	Area C – At Large Storage Tank Near South End of Area	TSI	F	C-16 – C-18	NAD
13	White Insulation Cloth	Area C – Damaged Areas in Pipe Runs	TSI	F	C-19 – C-21	45% CH
14	Pipe Insulation	Area D – At Damaged Areas in Pipe Runs	TSI	F	D-01 – D-03	NAD
15	Large Stack Insulation	Area D – At Large Stack Near North End of Area	TSI	F	D-04 – D-06	NAD
16	Small Stack Insulation	Area D – At Small Stacks Near Southwest Corner of Area	TSI	F	D-07 – D-09	NAD
17	Storage Tank Insulation	Area D – At Storage Tank Near Northwest Corner of Area	TSI	F	D-10 – D-12	NAD
18	White Insulation Cloth	Area D – Damaged Areas in Pipe Runs	TSI	F	D-13 – D-15	80% CH
19	Plaster	Area D – At Structural Steel Support Columns	M	N	D-16 – D-18	NAD
20	Plastic Pipe Covering & Associated Black Mastic	Area D – At Damaged Areas in Pipe Runs Near Northeast Corner of Area	M	NF	D-19 – D-21	NAD
21	Corrosion Protection Material	Area D – At Non-insulated Sections of Piping & Base of Pipe Rack	M	N	D-22 – D-24	NAD
22	12"x12" Green Floor Tile & Mastic	Area E – At Main Control Room	M	NF	E-01 – E-03	NAD/NAD

Homo Area	Material Description	Sample Location	Class.	F/NF	Samples	Percent Asbestos
23	2'x4' Suspended Ceiling Tile	Area E – At Main Control Room	M	F	E-04 – E-06	NAD
24	Covebase Mastic	Area E – At Main Control Room	M	NF	E-07 – E-09	NAD
25	Gasket Material	Area E - Gaskets Found on Ground	M	F	E-10 – E-12	30% CH
26	Black Roofing Mastic	Area E – At Roof of Main Control Room	M	NF	E-13 – E-15	10% CH
27	Built-up Roof Material	Area E – At Roof of Main Control Room	M	NF	E-16 – E-18	NAD
28	Pipe Insulation	Area F – At Damaged Areas in Pipe Runs	TSI	F	F-01 – F-03	NAD
29	Storage Tank Insulation	Area F – At Storage Tanks Along Northwestern Perimeter of Area	TSI	F	F-04 – F-06	NAD
30	Stack Insulation	Area F – At Fallen Stack Near South End of Area	TSI	F	F-07 – F-09	NAD
31	Black Pipe Wrap	Area F – At Pipe Run Leading to Release Valve at North End of Area	TSI	NF	F-10 – F-12	NAD
32	Gasket Material	Area F - Gaskets Found on Ground	M	F	F-13 – F-15	20% CH
33	Tar Flood Coat	Area F – At Roof of Control Room	M	NF	F-16 – F-18	7% CH
34	Pipe Insulation	Area G – At Damaged Areas in Pipe Runs	TSI	F	G-01 – G-03	NAD
35	Stack Insulation	Area G – At Base of Stack	TSI	F	G-04 – G-06	NAD
36	Gray Caulk	Area G – At Stack/Piping Interface	M	NF	G-07 – G-09	NAD
37	Gasket Material	Area G – At Flange From Removed Pipe Run	M	F	G-10 – G-12	65% CH
38	12"x12" Tan Floor Tile & Mastic	Area H – At Pump House	M	NF	H-01 – H-03	NAD/NAD
39	Sink Undercoating	Area H – At Double Sink in Pump House	M	NF	H-04 – H-06	4% CH
40	12"x12" Off-White Floor Tile & Mastic	Area H – At Control Room	M	NF	H-07 – H-09	NAD/NAD
41	2'x4' Suspended Ceiling Tile	Area H – At Control Room	M	F	H-10 – H-12	NAD
42	Tar Flood Coat	Area H – At Roof of Control Room	M	NF	H-13 – H-15	NAD
43	Gasket Material	Area H – At Flange From Removed Pipe Run & Found on Ground	M	F	H-16 – H-18	NAD – 15% CH
44	Pipe Insulation	Area I – At Long Pipe Runs Paralleling Bishop Road	TSI	F	I-01 – I-03	NAD
45	Sheet Vinyl	Area J (Across FM 2725) – At Guard Shack	M	F	J-01 – J-03	NAD
46	Black Mastic	Area J (Across FM 2725) – At Pipe Runs Stubbing Out From Ground	M	NF	J-04 – J-06	NAD
47	12"x12" Off-White Floor Tile	Area K – At Guard Shack	M	NF	K-01 – K-03	NAD ¹
48	Drywall & Joint Compound	Area K – At Guard Shack	M	F	K-04 – K-06	NAD/<1% CH (PT)
49	Sprayed-on Ceiling Texture	Area K – At Guard Shack	S	F	K-07 – K-09	NAD

<i>Homo Area</i>	<i>Material Description</i>	<i>Sample Location</i>	<i>Class.</i>	<i>F/NF</i>	<i>Samples</i>	<i>Percent Asbestos</i>
50	Tar Flood Coat	Area K – At Roof of Guard Shack	M	NF	K-10 – K-12	NAD
51	Silver Tank Sealant	At UST No. 13	M	NF	13-01 – 13-03	NAD
52	Silver Tank Sealant	At UST No. 15	M	NF	15-01 – 15-03	NAD
53	Bagged Insulation	Area E – Main Control Room	TSI	F	NR-01 – NR-09	NAD

Notes:

Analyses performed in accordance with United States Environmental Protection Agency Appendix A, Subpart F, 40 CFR 763.1, Polarized Light Microscopy.

HA=Homogeneous Area, SF=Square Feet, LF=Linear Feet, NAD=No Asbestos Detected, NT=Not Tested, NS=Not Sampled, PT=Point Count.

Class. = Material Classification: TSI=Thermal System Insulation, S=Surfacing Material, M=Misellaneous Material.

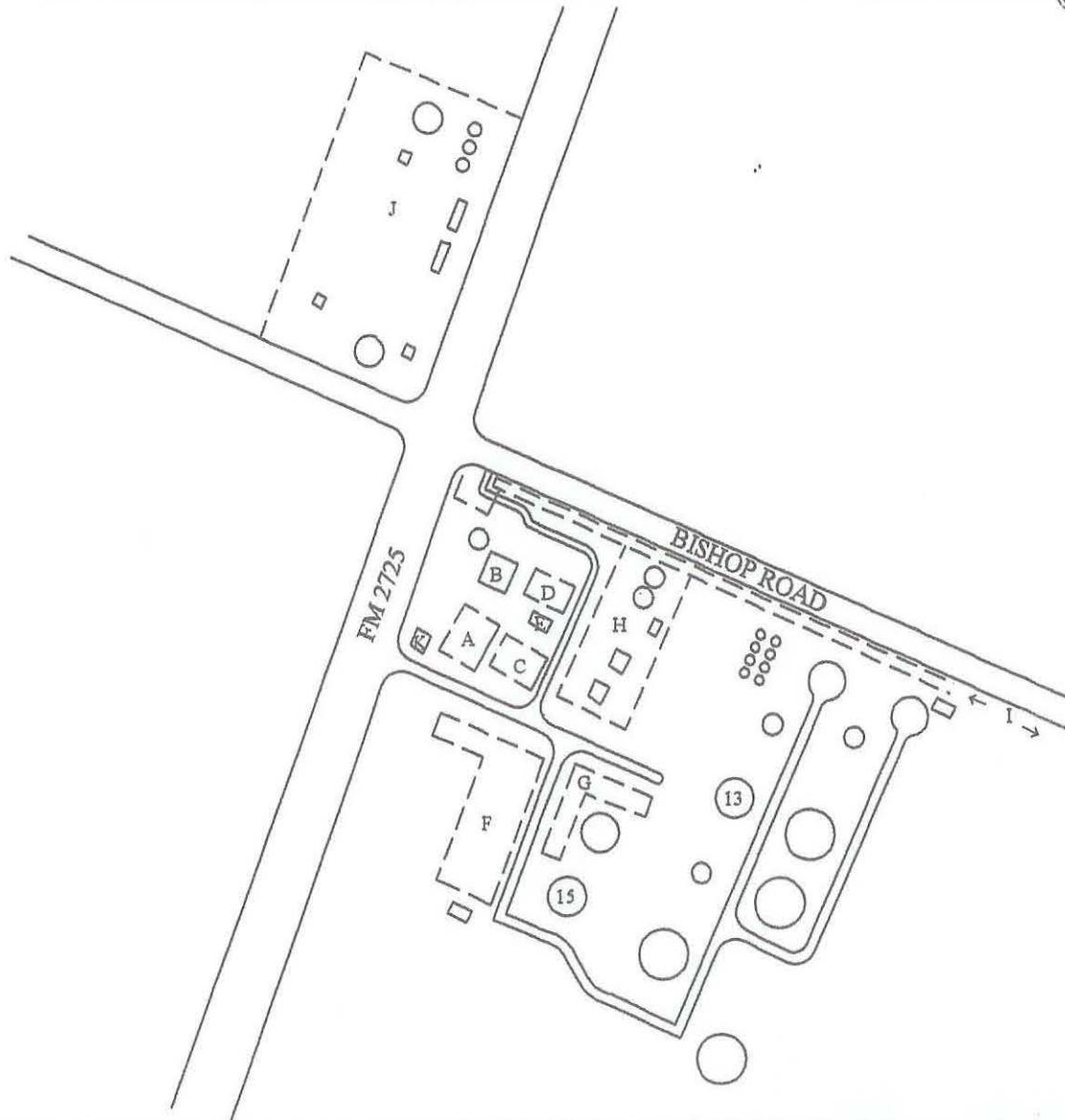
Asbestos Type: CH=Chrysotile, AM=Amosite, CR=Crocidolite, TR=Tremolite.

Cond. = Condition of Material: G=Good, D=Damaged, SD=Significantly Damaged.

¹ Apparent water damage in the Guard Shack has resulted in an insufficient amount of yellow mastic for sampling.

Site Drawing

SCALE: NONE



psi Information
To Build On
Engineering • Consulting • Testing
THREE BURWOOD LANE
SAN ANTONIO, TEXAS 78216

SITE VICINITY
MAP

FORMER NORCO REFINERY
FM 2725 & BISHOP ROAD
INGLESIDE, TEXAS

DATE:	09/13/04
DRAWN BY:	J. LEAL
PROJECT #:	435-4A061
DRAWING NAME:	435-4A061

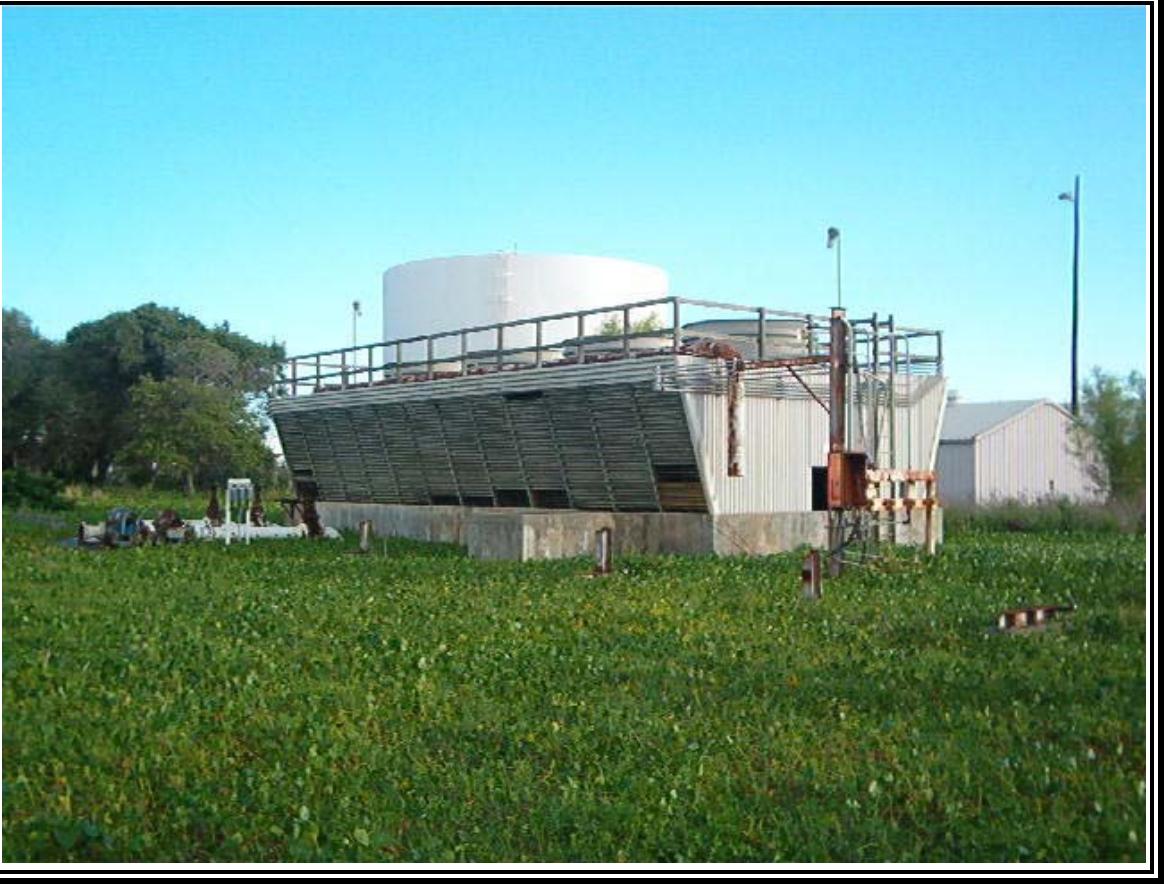
Photo Log of ACBM Identified



1. View of typical gasket materials found on the ground throughout the Former Norco Refinery.



2. View of remnant gasket material located on flange at removed section of piping.



3. View of corrugated cement-asbestos panels located at cooling towers in Area B.



4. View of white insulation cloth located at various patched areas in the piping throughout the facility.



5. View of black roofing mastic located at the roof of the Main Control Room in Area E.



6. View of tar flood coat located at the roof of the Control Room in Area F.

Laboratory Analysis

REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

TESTED FOR: PSI, Inc
 Three Burwood Lane
 San Antonio, TX 78216
 Attn: Phil Raso

Project ID: 435-4A061
 Norco Refinery

Date Received: 8/18/2004

Date Completed: 8/18/2004

Date Reported: 8/18/2004

Analyst:	MS	Work Order:	0408446	Page: 1 of 2
Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
A-01	001A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	5% Synthetic Fiber 10% Fibrous Glass
A-02	002A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
A-03	003A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
A-04	004A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	5% Synthetic Fiber 10% Fibrous Glass
A-05	005A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	3% Synthetic Fiber 5% Cellulose fiber 35% Fibrous Glass
A-06	006A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	3% Synthetic Fiber 5% Cellulose fiber 35% Fibrous Glass
A-07	007A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
A-08	008A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
A-09	009A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
A-10	010A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may be reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight.

Respectfully submitted,
 PSI, Inc.



Approved Signatory
 Glynnis Bowman

Analyst: MS

Work Order:

0408446

Page: 2 of 2

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
A-11	011A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
A-12	012A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
A-13	013A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass 10% Cellulose fiber 30% Synthetic Fiber
A-14	014A	(1) Gray, Not Provided, Homogeneous	20% Chrysotile	None Reported
A-15	015A	(1) Green, Not Provided, Homogeneous	NO ASBESTOS DETECTED	4% Wollastonite 10% Synthetic Fiber 30% Cellulose fiber

Report Notes: (PT) Point Count Results

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may be reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight.

Respectfully submitted,
PSI, Inc.



Approved Signatory
Glynnis Bowman

CHAIN OF CUSTODY RECORD



PROJECT NAME Norco Refinery	REPORT TO Phil Raso	INVOICE TO Same
PROJECT NUMBER 435-4A061	PROJECT MANAGER Don Reynolds	ADDRESS
P.O. NUMBER	ADDRESS 3 Burnwood Lane	CITY / STATE / ZIP
REQUIRED DUE DATE (MM-DD-YY) RUSH	CITY / STATE / ZIP San Antonio, TX 78216	ATTENTION
SAMPLES TO LAB VIA Fed-Ex	TELEPHONE 210 342 9377	TELEPHONE
NUMBER OF COOLERS/PACKAGES One (1)	REPORT DATA VIA <input type="checkbox"/> VERBAL <input checked="" type="checkbox"/> FAX (Email) <input type="checkbox"/> OVERNIGHT <input type="checkbox"/> U.S. MAIL	SHIPPING LINES
RELINQUISHED BY Phil Raso DATE / TIME 8-17-04 @ 530pm	ACCEPTED BY M. K. Padiasay DATE / TIME	SEAL NUMBER
LABORATORY USE ONLY		
SAMPLE CUSTODIAN	DATE / TIME	NUMBER OF CONTAINERS
SAMPLE IDENTIFICATION A-01-A-15	DATE / TIME 8-17-04 B	AIR-A BULK-B DUST-D NOD-N PAINT-P SOIL-S VACUUM-V WASTE-X WATER-W WIPE-WP 15 X Call Terri Alexan Available, cm 8/18/04.

ADDITIONAL REMARKS

ADDITIONAL REMARKS Additional samples with same job No. will be submitted.

SAMPLER'S SIGNATURE

Your signature denotes agreement with the PS General Conditions which are printed on the back side of this document.



REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

TESTED FOR: PSI, Inc
Three Burwood Lane
San Antonio, TX 78216
Attn: Phil Rasor

Project ID: 435-4A061
Norco Refinery

Date Received: 8/20/2004 Date Completed: 8/24/2004 Date Reported: 8/24/2004

Analyst:	DA	Work Order:	0408557	Page: 1 of 5
Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
B-01	001A	(1) Gray, Not Provided, Homogeneous	15% Chrysotile	None Reported
B-02	002A	(1) Gray, Not Provided, Homogeneous	15% Chrysotile	None Reported
B-03	003A	(1) Gray, Not Provided, Homogeneous	15% Chrysotile	None Reported
C-01	004A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
C-02	005A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
C-03	006A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
C-04	007A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
C-05	008A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
C-06	009A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
C-07	010A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
C-08	011A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
C-09	012A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
C-10	013A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
C-11	014A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
C-12	015A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
C-13	016A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber

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Respectfully submitted,
PSI, Inc.

Approved Signatory
Glynnis Bowman

Analyst:

DA

Work Order:

0408557

Page: 2 of 5

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
C-14	017A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
C-15	018A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
C-16	019A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
C-17	020A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Fibrous Glass
C-18	021A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Cellulose fiber
C-19	022A	(1) White, Not Provided, Homogeneous		35% Synthetic Fiber
			45% Chrysotile	
C-20	023A	(1) White, Not Provided, Homogeneous		35% Synthetic Fiber
			45% Chrysotile	
C-21	024A	(1) White, Not Provided, Homogeneous		35% Synthetic Fiber
			45% Chrysotile	
D-01	025A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
D-02	026A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
D-03	027A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
D-04	028A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
D-05	029A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
D-06	030A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
D-07	031A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10% Synthetic Fiber
D-08	032A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
D-09	033A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
D-10	034A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	7% Cellulose fiber 10% Fibrous Glass
D-11	035A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	7% Cellulose fiber 10% Fibrous Glass

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Respectfully submitted,
PSI, Inc.



Approved Signatory
Glynnis Bowman

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)	
D-12	036A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10%	Synthetic Fiber
				15%	Cellulose fiber
D-13	037A	(1) White, Not Provided, Homogeneous	80%	Chrysotile	None Reported
D-14	038A	(1) White, Not Provided, Homogeneous	80%	Chrysotile	None Reported
D-15	039A	(1) White, Not Provided, Homogeneous	80%	Chrysotile	None Reported
D-16	040A	(1) Off-White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported	
D-17	041A	(1) Off-White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported	
D-18	042A	(1) Off-White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported	
D-19	043A	(1) Yellow, Not Provided, Homogeneous (2) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported	
D-20	044A	(1) Yellow, Not Provided, Homogeneous (2) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported	
D-21	045A	(1) Yellow, Not Provided, Homogeneous (2) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported	
D-22	046A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported	
D-23	047A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported	
D-24	048A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported	
E-01	049A	(1) Blue, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported	
E-02	050A	(1) Blue, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported	
E-03	051A	(1) Blue, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported	
E-04	052A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	60%	Fibrous Glass
E-05	053A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	60%	Fibrous Glass

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable, organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may be reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight.

Respectfully submitted,
PSI, Inc.



Approved Signatory
Glynnis Bowman

Analyst:

DA

Work Order:

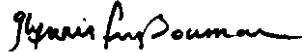
0408557

Page: 4 of 5

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)	
E-06	054A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED		60% Fibrous Glass
E-07	055A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED		None Reported
E-08	056A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED		None Reported
E-09	057A	(1) Brown, Not Provided, Homogeneous	NO ASBESTOS DETECTED		None Reported
E-10	058A	(1) Gray, Not Provided, Homogeneous	30%	Chrysotile	None Reported
E-11	059A	(1) Gray, Not Provided, Homogeneous	30%	Chrysotile	None Reported
E-12	060A	(1) Gray, Not Provided, Homogeneous	30%	Chrysotile	None Reported
E-13	061A	(1) Black, Not Provided, Homogeneous	10%	Chrysotile	None Reported
E-14	062A	(1) Black, Not Provided, Homogeneous	10%	Chrysotile	None Reported
E-15	063A	(1) Black, Not Provided, Homogeneous	10%	Chrysotile	None Reported
E-16	064A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED		10% Cellulose fiber
E-17	065A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED		10% Cellulose fiber
E-18	066A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED		10% Cellulose fiber
F-01	067A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED		10% Synthetic Fiber
F-02	068A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED		10% Synthetic Fiber
F-03	069A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED		30% Cellulose fiber 30% Fibrous Glass
F-04	070A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED		10% Synthetic Fiber
F-05	071A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED		30% Cellulose fiber 30% Fibrous Glass
F-06	072A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED		10% Synthetic Fiber
F-07	073A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED		10% Synthetic Fiber
F-08	074A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED		10% Synthetic Fiber
F-09	075A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED		10% Synthetic Fiber

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Respectfully submitted,
PSI, Inc.



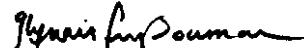
Approved Signatory
Glynnis Bowman

Analyst:	DA	Work Order:	0408557	Page: 5 of 5	
Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)	
F-10	076A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10%	Fibrous Glass
F-11	077A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10%	Fibrous Glass
F-12	078A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10%	Fibrous Glass
F-13	079A	(1) Black, Not Provided, Homogeneous	20%	Chrysotile	None Reported
F-14	080A	(1) Black, Not Provided, Homogeneous	20%	Chrysotile	None Reported
F-15	081A	(1) Black, Not Provided, Homogeneous	20%	Chrysotile	None Reported
F-16	082A	(1) Black, Not Provided, Homogeneous	7%	Chrysotile	None Reported
F-17	083A	(1) Black, Not Provided, Homogeneous	7%	Chrysotile	None Reported
F-18	084A	(1) Black, Not Provided, Homogeneous	7%	Chrysotile	None Reported

Report Notes: (PT) Point Count Results

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Respectfully submitted,
PSI, Inc.



Approved Signatory
Glynnis Bowman

0468557

CHAIN OF CUSTODY RECORD

PROJECT NAME <i>Norco Refinery</i>	REPORT TO <i>Phil Raso</i>	INVOICE TO <i>SAME</i>																																																																																																																																																																																																																																							
PROJECT NUMBER <i>435-4A061</i>	PROJECT MANAGER <i>Don Reynolds</i>	ADDRESS <i>3 Burwood Lane</i>																																																																																																																																																																																																																																							
P.O. NUMBER	ADDRESS <i>San Antonio, TX 78216</i>	CITY / STATE / ZIP																																																																																																																																																																																																																																							
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NUMBER OF COOLERS/PACKAGES <i>ten (10)</i>	REPORT DATA VIA <input type="checkbox"/> VERBAL <input type="checkbox"/> FAX <i>(email)</i> <input type="checkbox"/> OVERNIGHT <input type="checkbox"/> U.S. MAIL	✓																																																																																																																																																																																																																																							
RELINQUISHED BY <i>Phil Raso</i> DATE / TIME <i>8-18-04 @ 530 pm</i>	ACCEPTED BY <i>Phil Raso</i> DATE / TIME <i>3-20-04 10 am</i>	SEAL NUMBER																																																																																																																																																																																																																																							
<p style="text-align: center;">LABORATORY USE ONLY</p> <table border="1"> <thead> <tr> <th colspan="2">SAMPLE IDENTIFICATION</th> <th colspan="2">DATE / TIME</th> <th colspan="2">TESTS</th> <th rowspan="2">NUMBER OF CONTAINERS</th> <th colspan="10">PARAMETER LIST</th> </tr> <tr> <th>AIR-A</th> <th>BULK-B</th> <th>SOIL-S</th> <th>VACUUM-V</th> <th>WASTE-X</th> <th>WATER-W</th> <th>WIPE-WP</th> <th colspan="10"></th> </tr> <tr> <th>DUCT-D</th> <th>NOB-N</th> <th>PAINT-P</th> <th></th> <th></th> <th></th> <th></th> <th colspan="10"></th> </tr> </thead> <tbody> <tr> <td>B-01 → B-03</td> <td>8-17-04</td> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td>3 X</td> <td colspan="10"></td> </tr> <tr> <td>C-01 → C-21</td> <td>8-17-04</td> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td>21 X</td> <td colspan="10"></td> </tr> <tr> <td>D-01 → D-24</td> <td>8-17-04</td> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td>24 X</td> <td colspan="10"></td> </tr> <tr> <td>E-01 → E-18</td> <td>8-17-04</td> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td>18 X</td> <td colspan="10"></td> </tr> <tr> <td>F-01 → F-18</td> <td>8-17-04</td> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td>18 X</td> <td colspan="10"></td> </tr> <tr> <td>G-01 → G-12</td> <td>8-18-04</td> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td>12 X</td> <td colspan="10"></td> </tr> <tr> <td>H-01 → H-18</td> <td>8-18-04</td> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td>18 X</td> <td colspan="10"></td> </tr> <tr> <td>I-01 → I-33</td> <td>8-18-04</td> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td>3 X</td> <td colspan="10"></td> </tr> <tr> <td>J-01 → J-06</td> <td>8-18-04</td> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td>6 X</td> <td colspan="10"></td> </tr> <tr> <td>K-01 → K-12</td> <td>8-18-04</td> <td>B</td> <td></td> <td></td> <td></td> <td></td> <td>12 X</td> <td colspan="10"></td> </tr> </tbody> </table>			SAMPLE IDENTIFICATION		DATE / TIME		TESTS		NUMBER OF CONTAINERS	PARAMETER LIST										AIR-A	BULK-B	SOIL-S	VACUUM-V	WASTE-X	WATER-W	WIPE-WP											DUCT-D	NOB-N	PAINT-P															B-01 → B-03	8-17-04	B					3 X											C-01 → C-21	8-17-04	B					21 X											D-01 → D-24	8-17-04	B					24 X											E-01 → E-18	8-17-04	B					18 X											F-01 → F-18	8-17-04	B					18 X											G-01 → G-12	8-18-04	B					12 X											H-01 → H-18	8-18-04	B					18 X											I-01 → I-33	8-18-04	B					3 X											J-01 → J-06	8-18-04	B					6 X											K-01 → K-12	8-18-04	B					12 X										
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J-01 → J-06	8-18-04	B					6 X																																																																																																																																																																																																																																		
K-01 → K-12	8-18-04	B					12 X																																																																																																																																																																																																																																		

ADDITIONAL REMARKS *Also included 13-01 → 13-03 and 15-01 → 15-03**Please analyze for 7. Asbestos PLM*SAMPLER'S SIGNATURE *(Phil Raso)*
 350 Poplar Street
Pittsburgh, PA 15220
412/922-4000

 OTHER _____

LABORATORY SUBMITTED TO:

 25 Dubon Court
Farmingdale, NY 11735
516/752-1226

 4820 W. 15th Street
Lawrence, KS 66049
800/548-7901

 211 E. Imperial Hwy., Suite 201
Fullerton, CA 92835
714/526-8901

 W228 N727 Westmound Dr., Suite A
Waukesha, WI 53186
414/970-9022



REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

TESTED FOR: PSI, Inc
Three Burwood Lane
San Antonio, TX 78216
Attn: Phil Rasor

Project ID: 435-4A061
Norco Refinery

Date Received: 8/20/2004 Date Completed: 8/24/2004 Date Reported: 8/24/2004

Analyst:	DA	Work Order:	0408561	Page: 1 of 4	
Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)	
G-01	001A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10%	Synthetic Fiber
G-02	002A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10%	Synthetic Fiber
G-03	003A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10%	Synthetic Fiber
G-04	004A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10%	Synthetic Fiber
G-05	005A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10%	Synthetic Fiber
G-06	006A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	10%	Synthetic Fiber
G-07	007A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported	
G-08	008A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported	
G-09	009A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported	
G-10	010A	(1) White, Not Provided, Homogeneous	65%	Chrysotile	None Reported
G-11	011A	(1) White, Not Provided, Homogeneous	65%	Chrysotile	None Reported
G-12	012A	(1) White, Not Provided, Homogeneous	65%	Chrysotile	None Reported
H-01	013A	(1) Gray, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported	
H-02	014A	(1) Gray, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED	None Reported None Reported	

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Respectfully submitted,
PSI, Inc.

Approved Signatory
Glynnis Bowman

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)		Non-asbestos Fibers (Percent and Type)	
H-03	015A	(1) Gray, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED		None Reported None Reported	
H-04	016A	(1) Black, Not Provided, Homogeneous	4%	Chrysotile	None Reported	
H-05	017A	(1) Black, Not Provided, Homogeneous	4%	Chrysotile	None Reported	
H-06	018A	(1) Black, Not Provided, Homogeneous	4%	Chrysotile	None Reported	
H-07	019A	(1) White, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED		None Reported None Reported	
H-08	020A	(1) White, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED		None Reported None Reported	
H-09	021A	(1) White, Floor Tile, Homogeneous (2) Yellow, Mastic, Homogeneous	NO ASBESTOS DETECTED NO ASBESTOS DETECTED		None Reported None Reported	
H-10	022A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED		30%	Cellulose fiber 30% Fibrous Glass
H-11	023A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED		30%	Cellulose fiber 30% Fibrous Glass
H-12	024A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED		30%	Cellulose fiber 30% Fibrous Glass
H-13	025A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED		5%	Cellulose fiber
H-14	026A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED		5%	Cellulose fiber
H-15	027A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED		5%	Cellulose fiber
H-16	028A	(1) Green, Not Provided, Homogeneous	NO ASBESTOS DETECTED		5%	Wollastonite
H-17	029A	(1) Gray, Not Provided, Homogeneous	15%	Chrysotile	None Reported	
H-18	030A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED		20%	Synthetic Fiber
I-01	031A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED		10%	Synthetic Fiber
I-02	032A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED		10%	Synthetic Fiber
I-03	033A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED		10%	Synthetic Fiber

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Respectfully submitted,
PSI, Inc.



Approved Signatory
Glynnis Bowman

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
J-01	034A	(1) Tan, Not Provided, Non-Homogeneous	NO ASBESTOS DETECTED	7% Synthetic Fiber
J-02	035A	(1) Tan, Not Provided, Non-Homogeneous	NO ASBESTOS DETECTED	7% Synthetic Fiber
J-03	036A	(1) Tan, Not Provided, Non-Homogeneous	NO ASBESTOS DETECTED	10% Cellulose fiber
J-04	037A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
J-05	038A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
J-06	039A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
K-01	040A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
K-02	041A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
K-03	042A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
K-04	043A	(1) White, Sheetrock, Homogeneous (2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED < 1% Chrysotile	None Reported None Reported
K-05	044A	(1) White, Sheetrock, Homogeneous (2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED < 1% Chrysotile	None Reported None Reported
K-06	045A	(1) White, Sheetrock, Homogeneous (2) White, Joint Compound, Homogeneous	NO ASBESTOS DETECTED < 1% Chrysotile	None Reported None Reported
K-07	046A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
K-08	047A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
K-09	048A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
K-10	049A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED	7% Cellulose fiber
K-11	050A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED	7% Cellulose fiber
K-12	051A	(1) Black, Not Provided, Homogeneous	NO ASBESTOS DETECTED	7% Cellulose fiber
13-01	052A	(1) Silver, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
13-02	053A	(1) Silver, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
13-03	054A	(1) Silver, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported

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Respectfully submitted,
PSI, Inc.



Approved Signatory
Glynnis Bowman

Analyst: DA Work Order: 0408561 Page: 4 of 4

Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)
15-01	055A	(1) Silver, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
15-02	056A	(1) Silver, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported
15-03	057A	(1) Silver, Not Provided, Homogeneous	NO ASBESTOS DETECTED	None Reported

Report Notes: (PT) Point Count Results

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may be reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight.

Respectfully submitted,
PSI, Inc.



Approved Signatory
Glynnis Bowman

0408561

CHAIN OF CUSTODY RECORD



PROJECT NAME <i>Norco Refinery</i>	REPORT TO <i>Phil Raso</i>	INVOICE TO <i>SAME</i>		
PROJECT NUMBER <i>435-4A061</i>	PROJECT MANAGER <i>Don Reynolds</i>	ADDRESS		
P.O. NUMBER	ADDRESS <i>3 Burwell Lane</i>	CITY / STATE / ZIP		
REQUIRED DUE DATE (MM-DD-YY) <i>10/10/04</i>	CITY / STATE / ZIP <i>San Antonio, TX 78216</i>	ATTENTION		
SAMPLES TO LAB VIA <i>Fed-Ex</i>	TELEPHONE <i>210 34129377</i>	TELEPHONE		
NUMBER OF COOLERS/PACKAGES <i>Ten (10)</i>	FAX <i>210 247 5721</i>	REPORT DATA VIA <i>(email)</i> <input type="checkbox"/> VERBAL <input type="checkbox"/> OVERNIGHT <input type="checkbox"/> FAX <input type="checkbox"/> U.S. MAIL		
RELINQUISHED BY <i>R.W. Raso</i>	ACCEPTED BY <i>Mark Hunt</i>	SEAL NUMBER		
DATE / TIME <i>8-18-04 (0530 pm)</i>				
		8-20-04 11am		
BROTHOUSE 100				
SAMPLE IDENTIFICATION	DATE / TIME	AIR-A GULF-B DUST-D NOB-N PAINT-P	SOIL-S VACUUM-V WASTE-X WATER-W WIPE-WP	NUMBER OF CONTAINERS
B-01 → B-02	8-17-04	B		3 X
C-01 → C-21	8-17-04	B		21 X
D-01 → D-24	8-17-04	B		24 X
E-01 → E-17	8-17-04	B		18 X
F-01 → F-18	8-17-04	B		18 X
G-01 → G-17	8-18-04	B		12 X
H-01 → H-13	8-18-04	B		18 X
I-01 → I-03	8-18-04	B		3 X
J-01 → J-06	8-18-04	B		6 X
K-01 → K-17	8-18-04	B		12 X

ADDITIONAL REMARKS ~~Are included 12-01 → 13-03 and 15-01 → 15-02~~

Please analyze for the following P/LM

SAMPLER'S SIGNATURE

*Information
To Build On*
Engineering • Consulting • Testing

REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

TESTED FOR: PSI, Inc
Three Burwood Lane
San Antonio, TX 78216
Attn: Don Reynolds

Project ID: 435-4A061
Norco Refinery

Date Received: 9/7/2004

Date Completed: 9/7/2004

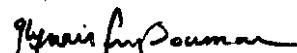
Date Reported: 9/7/2004

Analyst:	DA	Work Order:	0409115	Page: 1 of 1	
Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>	Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)	
01	001A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	100%	Fibrous Glass
02	002A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	95%	Fibrous Glass
03	003A	(1) Gray, Not Provided, Homogeneous	NO ASBESTOS DETECTED	95%	Fibrous Glass
04	004A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	100%	Fibrous Glass
05	005A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	100%	Fibrous Glass
06	006A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	100%	Fibrous Glass
07	007A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	100%	Fibrous Glass
08	008A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	100%	Fibrous Glass
09	009A	(1) White, Not Provided, Homogeneous	NO ASBESTOS DETECTED	100%	Fibrous Glass

Report Notes: (PT) Point Count Results

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may be reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight.

Respectfully submitted,
PSI, Inc.



Approved Signatory
Glynnis Bowman



Engineering • Consulting • Testing

REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS

TESTED FOR: PSI, Inc
Three Burwood Lane
San Antonio, TX 78216
Attn: Phil Rasor

Project ID: 435-4A061
Norco Refinery
Reference WO 0408561

Date Received: 9/13/04

Date Completed: 9/14/04

Date Reported: 9/14/04

Analyst:		WD	Work Order:	0409265		Page: 1 of 1
Client ID	Lab ID (Layer)	Sample Description (Color, Texture, Etc.) <i>Analyst's Comment</i>		Asbestos Content (Percent and Type)	Non-asbestos Fibers (Percent and Type)	
K-04 (43)	001A	(1) White, Joint Compound, Homogeneous	< 1%	CHrysotile (PT)	None Reported	
K-05 (44)	002A	(1) White, Joint Compound, Homogeneous	< 1%	CHrysotile (PT)	None Reported	
K-06 (45)	003A	(1) White, Joint Compound, Homogeneous	< 1%	CHrysotile (PT)	None Reported	

Report Notes: (PT) Point Count Results

Quantitation is based on a visual estimation of the relative area of bulk sample components, unless otherwise noted in the "Comments" section of this report. The results are valid only for the item tested. This report may not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Method used: E.P.A. Method for the Determination of Asbestos in Bulk Building Materials (EPA / 600/R-93/116 July 1993). Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos containing. Samples will be disposed of within 30 days unless notified in writing by the client. No part of this report may be reproduced, except in full, without written permission of the laboratory. The reporting limit is 1% by weight.

Respectfully submitted,
PSI, Inc.

Approved Signatory
Wayne Dickerson

Inspector Certification



Texas Department of Health certifies that:

PHIL RASOR

is Licensed as
Individual Asbestos Management
Planner

License Number: 205552

From: 04/09/2004

To: 04/08/2005

Control No: 78463



If found return postage guaranteed:
Texas Department of Health
1100 West 49th Street ZZ112-178
Austin, Texas 78756

It is a violation of Texas Department of Health Rules and a violation of
the Texas Penal Code Sec. 37.10 to submit any forged or fraudulent
documents in order to obtain a license.

Es una violación de los Reglamentos del Departamento De Salud y del
Texas Penal Code Sec. 37.10 al someter cualquier tipo de documentos
que estén alterados o falsificados para obtener una licencia.



Glossary of Terms

ABATEMENT - The removal, repair, encapsulation, or enclosure of asbestos-containing material.

ASBESTOS - The asbestiform varieties of chrysotile, crocidolite, amosite, anthophyllite, tremolite, and actinolite.

ASBESTOS-CONTAINING MATERIALS (ACM) - Any material which contains more than one percent asbestos.

CATEGORY I NON-FRIABLE ACM - Asbestos containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than one (1) percent asbestos as determined by PLM.

CATEGORY II NON-FRIABLE ACM - Any material, excluding Category I Non-Friable ACM, containing more than one (1) percent asbestos as determined by PLM.

COMPETENT PERSON - One who is capable of identifying existing asbestos hazards in the work place and selecting the appropriate control strategy for asbestos exposure, has the authority to take prompt corrective measures to eliminate them, and has current certification in the EPA's Asbestos Supervisors training.

DEMOLITION - The wrecking or taking out of any load supporting structural member and any related razing, removing, or stripping of asbestos products.

ENCAPSULATION - The application of a coating to friable or non-friable ACM to prevent airborne fiber release.

ENCLOSURE - The construction of an airtight barrier around friable or non-friable ACM to prevent airborne fiber release.

FRIABLE ACM - The condition of any asbestos-containing materials which when dry, may be crumbled or reduced to powder by hand pressure.

FUNCTIONAL SPACE - A room or specific area.

HOMOGENEOUS AREA - An area of surfacing material, thermal system insulation, or miscellaneous material that is uniform in texture and color and appears identical in every other respect including relative date of installation.

HOMOGENEOUS MATERIAL - A material, which may or may not extend through many areas, that is uniform in color and texture and appears identical in all other respects, including relative date of installation.

MISCELLANEOUS MATERIAL - A classification for suspect asbestos-containing material such as floor tile, ceiling tile, etc.

OPERATION AND MAINTENANCE PLAN - A written Plan and Procedure document describing actions to be undertaken to clean up previously released asbestos fibers, prevent future release of fibers by minimizing disturbance or damage to asbestos-containing materials, monitor the condition of the asbestos-containing materials, and retain all documentation relating to asbestos within the building.

PHYSIOGNOMIC - Aspect and character of an inanimate entity.

POLARIZED LIGHT MICROSCOPY (PLM) - Method used to estimate the percent of asbestos by volume in a bulk sample.

REFRACTIVE - The ability to bend light to a particular wavelength.

REMOVAL - Removal of the asbestos-containing material and replacement with a non-asbestos-containing material to provide the same function and fire rating, unless the removal is for the purposes of demolition.

RENOVATION - The modifying of any existing structure, or portion thereof.

RESPONSE ACTION - A method including removal, encapsulation, enclosure, repair, operation and maintenance that protects human health and the environment from friable asbestos-containing material.

SURFACING MATERIAL - A classification for suspect asbestos-containing material which is applied to walls, ceilings, or structural members by sprayed-on or troweled-on methods and used as fireproofing or decorative applications.

THERMAL SYSTEM INSULATION (TSI) - Classification for suspect asbestos-containing material which covers piping, boilers, HVAC Components, etc., to act as an insulator to prevent heat loss or gain or water condensation.

ANALYTICAL REPORT

JOB NUMBER: 226936

Prepared For:

BNC Engineering, LLC
607 River Bend Drive
Georgetown, TX 78628

Attention: Stephen Halasz

Date: 10/28/2004


Signature

10/29/04
Date

Name: Chip Meador

Severn Trent Laboratories
1733 N. Padre Island Drive
Corpus Christi, TX 78408

Title: Laboratory Director

E-Mail: cmeador@stl-inc.com

PHONE: 361/289-2673
FAX...: 361/289-2471

TOTAL # OF PAGES 44

CASE NARRATIVE**Job Number 226936****October 28, 2004****Semivolatile Organics Analysis**

Samples 226936-1 through 3, 5, and 6 were extracted and analyzed for semivolatile organics using EPA Methods 3550B and 8270C. Dilutions were required for samples 1 through 3, 5, and 6 due to the sample matrix. The reporting limits are therefore elevated. In addition, the percent recovery results for 2,4-dinitrophenol and phenanthrene in the matrix spikes associated with sample 1 were outside the acceptance criteria. The associated spiked blank and all other quality control analyses were within acceptable limits.

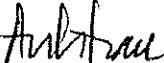
Total Petroleum Hydrocarbons (TPH) Analysis

Samples 226936-1 through 3, 5, and 6 were analyzed for TPH using TCEQ Method 1005. The percent recovery results for TPH in the matrix spikes associated with sample 1 were below the laboratory acceptance criteria due to the required sample dilution and the concentration of TPH in the sample. In addition, the percent recovery results for o-terphenyl surrogate in samples 2, 3, 5, and 6 were above the laboratory acceptable limits due to matrix interferences. The associated LCS and LCD and other quality control analyses were within acceptable limits. The data are therefore reported.

Volatile Organics Analysis

Samples 226936-1 through 6 were analyzed for volatile organics using EPA Method 8260B. Dilutions were performed and analyzed for samples 1, 2, 3, 5, and 6 due to excessive matrix interferences. The reporting limits are therefore elevated. The percent recovery result for 1,1-dichloroethene in the matrix spike duplicate was slightly below the laboratory acceptance criteria. The associated LCS was within acceptable limits and the data are therefore reported.

Please call if you have any questions regarding this report or if we can be of further assistance.


Anh Tran
QA Manager

SAMPLE INFORMATION

Date: 10/28/2004

Job Number.: 226936
Customer...: BNC Engineering, LLC
Attn.....: Stephen Halasz

Project Number.....: 98000084
Customer Project ID....: NDRCO 2311
Project Description....: Project - OVM

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
226936-1	TK27N	Soil	09/29/2004	08:30	09/29/2004	11:10
226936-2	TK27S	Soil	09/29/2004	08:40	09/29/2004	11:10
226936-3	TK26N	Soil	09/29/2004	08:50	09/29/2004	11:10
226936-4	TK26S	Soil	09/29/2004	09:00	09/29/2004	11:10
226936-5	TK7W	Soil	09/29/2004	09:05	09/29/2004	11:10
226936-6	TK7E	Soil	09/29/2004	09:10	09/29/2004	11:10

LABORATORY TEST RESULTS

Job Number: 226936

Date: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Customer Sample ID: TK27N
 Date Sampled.....: 09/29/2004
 Time Sampled.....: 08:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 226936-1
 Date Received.....: 09/29/2004
 Time Received.....: 11:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	<0.2	0.2	mg/Kg	10/04/04	hmz
SW-846 6010B	Antimony (Sb), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Arsenic (As), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Barium (Ba), Solid	27	1	mg/Kg	09/30/04	jem
SW-846 6010B	Beryllium (Be), Solid	1.5	0.5	mg/Kg	09/30/04	jem
SW-846 6010B	Cadmium (Cd), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Chromium (Cr), Solid	3	1	mg/Kg	09/30/04	jem
SW-846 6010B	Cobalt (Co), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Lead (Pb), Solid	13	1	mg/Kg	09/30/04	jem
SW-846 6010B	Nickel (Ni), Solid	2	1	mg/Kg	09/30/04	jem
SW-846 6010B	Selenium (Se), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Silver (Ag), Solid	<0.5	0.5	mg/Kg	09/30/04	jem
SW-846 6010B	Vanadium (V), Solid	2	1	mg/Kg	09/30/04	jem
SW-846 6010B	Zinc (Zn), Solid	20	1	mg/Kg	09/30/04	jem
SW-846 3050B	Acid Digestion, Solids and Sludges	Complete				ac
SW-846 3550B	Extraction (Ultrasonic) SVOCs Ultrasonic Extraction	Complete			09/30/04	aig
SW-846 8270C	Semivolatile Organics (Client List)					
	Acenaphthene, Solid	ND	3300	ug/Kg	10/05/04	gef
	Anthracene, Solid	ND	3300	ug/Kg	10/05/04	gef
	Benzo(a)anthracene (1,2-Benzanthracene), Solid	ND	3300	ug/Kg	10/05/04	gef
	Benzo(b)fluoranthene, Solid	ND	3300	ug/Kg	10/05/04	gef
	Benzo(k)fluoranthene, Solid	ND	3300	ug/Kg	10/05/04	gef
	Benzo(a)pyrene, Solid	ND	3300	ug/Kg	10/05/04	gef
	Bis(2-ethylhexyl)phthalate, Solid	ND	3300	ug/Kg	10/05/04	gef
	Chrysene, Solid	ND	3300	ug/Kg	10/05/04	gef
	Dibenz(a,h)acridine, Solid	ND	3300	ug/Kg	10/05/04	gef
	Dibenzo(ah)anthracene, Solid	ND	3300	ug/Kg	10/05/04	gef
	1,2-Dichlorobenzene, Solid	ND	3300	ug/Kg	10/05/04	gef
	1,3-Dichlorobenzene, Solid	ND	3300	ug/Kg	10/05/04	gef
	1,4-Dichlorobenzene, Solid	ND	3300	ug/Kg	10/05/04	gef
	Diethyl phthalate, Solid	ND	3300	ug/Kg	10/05/04	gef

LABORATORY TEST RESULTS

Job Number: 226936

Date: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Customer Sample ID: TK27N
 Date Sampled.....: 09/29/2004
 Time Sampled.....: 08:30
 Sample Matrix.....: Soil

Laboratory Sample ID: 226936-1
 Date Received.....: 09/29/2004
 Time Received.....: 11:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
	Dimethyl phthalate, Solid	ND	3300	ug/Kg	10/05/04	gef
	Di-n-butyl phthalate, Solid	ND	3300	ug/Kg	10/05/04	gef
	Fluoranthene, Solid	ND	3300	ug/Kg	10/05/04	gef
	Fluorene, Solid	ND	3300	ug/Kg	10/05/04	gef
	Indene, Solid	ND	6600	ug/Kg	10/05/04	gef
	Indeno(123cd)pyrene, Solid	ND	3300	ug/Kg	10/05/04	gef
	1-Methylnaphthalene, Solid	ND	3300	ug/Kg	10/05/04	gef
	Naphthalene, Solid	ND	3300	ug/Kg	10/05/04	gef
	Phenanthrene, Solid	4300	3300	ug/Kg	10/05/04	gef
	Pyrene, Solid	ND	3300	ug/Kg	10/05/04	gef
	Pyridine, Solid	ND	3300	ug/Kg	10/05/04	gef
	Quinoline (Benzol[b]pyridine), Solid	ND	3300	ug/Kg	10/05/04	gef
	2,4-Dimethylphenol, Solid	ND	3300	ug/Kg	10/05/04	gef
	2,4-Dinitrophenol, Solid	ND	16650	ug/Kg	10/05/04	gef
	2-Methylphenol (o-cresol), Solid	ND	3300	ug/Kg	10/05/04	gef
	3 & 4 Methylphenol (m&p cresol), Solid	ND	3300	ug/Kg	10/05/04	gef
	4-Nitrophenol, Solid	ND	16650	ug/Kg	10/05/04	gef
	Phenol, Solid	ND	3300	ug/Kg	10/05/04	gef
	Thiophenol (Benzenthiol), Solid	ND	16650	ug/Kg	10/05/04	gef
SW-846 8260B	Volatile Organics					
	Benzene, Solid	ND	20	ug/Kg	10/04/04	krm
	Carbon Disulfide, Solid	ND	20	ug/Kg	10/04/04	krm
	Chlorobenzene, Solid	ND	20	ug/Kg	10/04/04	krm
	Chloroform, Solid	ND	20	ug/Kg	10/04/04	krm
	1,2-Dibromoethane (EDB), Solid	ND	20	ug/Kg	10/04/04	krm
	1,1-Dichloroethane, Solid	ND	20	ug/Kg	10/04/04	krm
	1,2-Dichloroethane (EDC), Solid	ND	20	ug/Kg	10/04/04	krm
	1,4-Dioxane, Solid	ND	472	ug/Kg	10/04/04	krm
	Ethylbenzene, Solid	ND	20	ug/Kg	10/04/04	krm
	Methyl Ethyl Ketone (2-Butanone), Solid	ND	47	ug/Kg	10/04/04	krm
	Styrene, Solid	ND	20	ug/Kg	10/04/04	krm
	Tetrachloroethene, Solid	ND	20	ug/Kg	10/04/04	krm
	Toluene, Solid	ND	20	ug/Kg	10/04/04	krm
	1,1,1-Trichloroethane, Solid	ND	20	ug/Kg	10/04/04	krm
	Trichloroethene, Solid	ND	20	ug/Kg	10/04/04	krm
	Xylenes (total), Solid	ND	71	ug/Kg	10/04/04	krm
TCEQ TX1005	Petroleum Hydrocarbons Extraction n-Pentane Extraction - Solids & Wastes	Complete			10/12/04	erb
TCEQ TX1005	Total Petroleum Hydrocarbons Petroleum Hydrocarbons (C6 to C12), Solid Petroleum Hydrocarbons (>C12 to C28), Solid Petroleum Hydrocarbons (>C28 to C35), Solid TPH (C6 to C35), Solid	ND	1000 3400 1700 5100	mg/Kg mg/Kg mg/Kg mg/Kg	10/12/04 10/12/04 10/12/04 10/12/04	qcp qcp qcp qcp



STL

Job Number: 226936

Date: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Customer Sample ID: TK27S
Date Sampled.....: 09/29/2004
Time Sampled.....: 08:40
Sample Matrix.....: Soil

Laboratory Sample ID: 226936-2
Date Received.....: 09/29/2004
Time Received.....: 11:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	<0.2	0.2	mg/Kg	10/04/04	hmz
SW-846 6010B	Antimony (Sb), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Arsenic (As), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Barium (Ba), Solid	27	1	mg/Kg	09/30/04	jem
SW-846 6010B	Beryllium (Be), Solid	1.4	0.5	mg/Kg	09/30/04	jem
SW-846 6010B	Cadmium (Cd), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Chromium (Cr), Solid	2	1	mg/Kg	09/30/04	jem
SW-846 6010B	Cobalt (Co), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Lead (Pb), Solid	12	1	mg/Kg	09/30/04	jem
SW-846 6010B	Nickel (Ni), Solid	2	1	mg/Kg	09/30/04	jem
SW-846 6010B	Selenium (Se), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Silver (Ag), Solid	<0.5	0.5	mg/Kg	09/30/04	jem
SW-846 6010B	Vanadium (V), Solid	1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Zinc (Zn), Solid	30	1	mg/Kg	09/30/04	jem
SW-846 3050B	Acid Digestion, Solids and Sludges	Complete				ac
SW-846 5030B	Methanol Extraction-Volatile Organics	Complete			10/04/04	krm
SW-846 3550B	Extraction (Ultrasonic) SVOCs Ultrasonic Extraction	Complete			09/30/04	aig
SW-846 8270C	Semivolatile Organics (Client List)					
	Acenaphthene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Anthracene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Benzo(a)anthracene (1,2-Benzanthracene), Solid	ND	9900	ug/Kg	10/05/04	gef
	Benzo(b)fluoranthene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Benzo(k)fluoranthene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Benzo(a)pyrene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Bis(2-ethylhexyl)phthalate, Solid	ND	9900	ug/Kg	10/05/04	gef
	Chrysene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Dibenz(a,h)acridine, Solid	ND	9900	ug/Kg	10/05/04	gef
	Dibenzo(ah)anthracene, Solid	ND	9900	ug/Kg	10/05/04	gef
	1,2-Dichlorobenzene, Solid	ND	9900	ug/Kg	10/05/04	gef
	1,3-Dichlorobenzene, Solid	ND	9900	ug/Kg	10/05/04	gef

LABORATORY TEST RESULTS

Job Number: 226936

Date: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Kolasz

Customer Sample ID: TK27S
 Date Sampled.....: 09/29/2004
 Time Sampled.....: 08:40
 Sample Matrix.....: Soil

Laboratory Sample ID: 226936-2
 Date Received.....: 09/29/2004
 Time Received.....: 11:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-B46 8260B	1,4-Dichlorobenzene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Diethyl phthalate, Solid	ND	9900	ug/Kg	10/05/04	gef
	Dimethyl phthalate, Solid	ND	9900	ug/Kg	10/05/04	gef
	Di-n-butyl phthalate, Solid	ND	9900	ug/Kg	10/05/04	gef
	Fluoranthene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Fluorene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Indene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Indeno(123cd)pyrene, Solid	ND	9900	ug/Kg	10/05/04	gef
	1-Methylnaphthalene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Naphthalene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Phenanthrene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Pyrene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Pyridine, Solid	ND	9900	ug/Kg	10/05/04	gef
	Quinoline (Benzo[b]pyridine), Solid	ND	9900	ug/Kg	10/05/04	gef
	2,4-Dimethylphenol, Solid	ND	9900	ug/Kg	10/05/04	gef
	2,4-Dinitrophenol, Solid	ND	49950	ug/Kg	10/05/04	gef
	2-Methylphenol (o-cresol), Solid	ND	9900	ug/Kg	10/05/04	gef
	3 & 4 Methylphenol (m&p cresol), Solid	ND	9900	ug/Kg	10/05/04	gef
	4-Nitrophenol, Solid	ND	49950	ug/Kg	10/05/04	gef
	Phenol, Solid	ND	9900	ug/Kg	10/05/04	gef
	Thiophenol (Benzenthio), Solid	ND	49950	ug/Kg	10/05/04	gef
TCEQ TX1005	Volatile Organics					
	Benzene, Solid	ND	500	ug/Kg	10/04/04	krm
	Carbon Disulfide, Solid	ND	500	ug/Kg	10/04/04	krm
	Chlorobenzene, Solid	ND	500	ug/Kg	10/04/04	krm
	Chloroform, Solid	ND	500	ug/Kg	10/04/04	krm
	1,2-Dibromoethane (EDB), Solid	ND	500	ug/Kg	10/04/04	krm
	1,1-Dichloroethane, Solid	ND	500	ug/Kg	10/04/04	krm
	1,2-Dichloroethane (EDC), Solid	ND	500	ug/Kg	10/04/04	krm
	1,4-Dioxane, Solid	ND	10000	ug/Kg	10/04/04	krm
	Ethylbenzene, Solid	ND	500	ug/Kg	10/04/04	krm
	Methyl Ethyl Ketone (2-Butanone), Solid	ND	1000	ug/Kg	10/04/04	krm
	Styrene, Solid	ND	500	ug/Kg	10/04/04	krm
	Tetrachloroethene, Solid	ND	500	ug/Kg	10/04/04	krm
	Toluene, Solid	ND	500	ug/Kg	10/04/04	krm
	1,1,1-Trichloroethane, Solid	ND	500	ug/Kg	10/04/04	krm
TCEQ TX10D5	Trichloroethene, Solid	ND	500	ug/Kg	10/04/04	krm
	Xylenes (total), Solid	ND	1500	ug/Kg	10/04/04	krm
	Petroleum Hydrocarbons Extraction					
	n-Pentane Extraction - Solids & Wastes	Complete				
					10/12/04	erb
	Total Petroleum Hydrocarbons					
	Petroleum Hydrocarbons (C6 to C12), Solid	ND	2500	mg/Kg	10/12/04	qcP
	Petroleum Hydrocarbons (>C12 to C28), Solid	30600	2500	mg/Kg	10/12/04	qcP
	Petroleum Hydrocarbons (>C28 to C35), Solid	12600	2500	mg/Kg	10/12/04	qcP
	TPH (C6 to C35), Solid	43200	2500	mg/Kg	10/12/04	qcP



STL

LABORATORY TEST RESULTS

Job Number: 226936

Date: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Customer Sample ID: TK26N
 Date Sampled.....: 09/29/2004
 Time Sampled.....: 08:50
 Sample Matrix.....: Soil

Laboratory Sample ID: 226936-3
 Date Received.....: 09/29/2004
 Time Received.....: 11:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	1.9	0.8	mg/Kg	10/04/04	hmz
SW-846 6010B	Antimony (Sb), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Arsenic (As), Solid	1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Barium (Ba), Solid	334	1	mg/Kg	09/30/04	jem
SW-846 6010B	Beryllium (Be), Solid	2.4	0.5	mg/Kg	09/30/04	jem
SW-846 6010B	Cadmium (Cd), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Chromium (Cr), Solid	7	1	mg/Kg	09/30/04	jem
SW-846 6010B	Cobalt (Co), Solid	3	1	mg/Kg	09/30/04	jem
SW-846 6010B	Lead (Pb), Solid	26	1	mg/Kg	09/30/04	jem
SW-846 6010B	Nickel (Ni), Solid	7	1	mg/Kg	09/30/04	jem
SW-846 6010B	Selenium (Se), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Silver (Ag), Solid	<0.5	0.5	mg/Kg	09/30/04	jem
SW-846 6010B	Vanadium (V), Solid	12	1	mg/Kg	09/30/04	jem
SW-846 6010B	Zinc (Zn), Solid	95	1	mg/Kg	09/30/04	jem
SW-846 3050B	Acid Digestion, Solids and Sludges	Complete				ac
SW-846 5030B	Methanol Extraction-Volatile Organics	Complete			10/04/04	krm
SW-846 3550B	Extraction (Ultrasonic) SVOCs Ultrasonic Extraction	Complete			09/30/04	aig
SW-846 8270C	Semivolatile Organics (Client List)					
	Acenaphthene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Anthracene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Benzo(a)anthracene (1,2-Benzanthracene), Solid	ND	9900	ug/Kg	10/05/04	gef
	Benzo(b)fluoranthene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Benzo(k)fluoranthene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Benzo(a)pyrene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Bis(2-ethylhexyl)phthalate, Solid	ND	9900	ug/Kg	10/05/04	gef
	Chrysene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Dibenz(a,h)acridine, Solid	ND	9900	ug/Kg	10/05/04	gef
	Dibenzo(ah)anthracene, Solid	ND	9900	ug/Kg	10/05/04	gef
	1,2-Dichlorobenzene, Solid	ND	9900	ug/Kg	10/05/04	gef
	1,3-Dichlorobenzene, Solid	ND	9900	ug/Kg	10/05/04	gef

LABORATORY TEST RESULTS

Job Number: 226936

Date: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Customer Sample ID: TK26N
 Date Sampled.....: 09/29/2004
 Time Sampled.....: 08:50
 Sample Matrix....: Soil

Laboratory Sample ID: 226936-3
 Date Received.....: 09/29/2004
 Time Received.....: 11:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 8260B	1,4-Dichlorobenzene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Diethyl phthalate, Solid	ND	9900	ug/Kg	10/05/04	gef
	Dimethyl phthalate, Solid	ND	9900	ug/Kg	10/05/04	gef
	Di-n-butyl phthalate, Solid	ND	9900	ug/Kg	10/05/04	gef
	Fluoranthene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Fluorene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Indene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Indeno(123cd)pyrene, Solid	ND	9900	ug/Kg	10/05/04	gef
	1-Methylnaphthalene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Naphthalene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Phenanthrene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Pyrene, Solid	ND	9900	ug/Kg	10/05/04	gef
	Pyridine, Solid	ND	9900	ug/Kg	10/05/04	gef
	Quinoline (Benzo[b]pyridine), Solid	ND	9900	ug/Kg	10/05/04	gef
	2,4-Dimethylphenol, Solid	ND	9900	ug/Kg	10/05/04	gef
	2,4-Dinitrophenol, Solid	ND	49950	ug/Kg	10/05/04	gef
	2-Methylphenol (o-cresol), Solid	ND	9900	ug/Kg	10/05/04	gef
	3 & 4 Methylphenol (m&p cresol), Solid	ND	9900	ug/Kg	10/05/04	gef
	4-Nitrophenol, Solid	ND	49950	ug/Kg	10/05/04	gef
TCEQ TX1005	Phenol, Solid	ND	9900	ug/Kg	10/05/04	gef
	Thiophenol (Benzenethiol), Solid	ND	49950	ug/Kg	10/05/04	gef
	Volatile Organics					
	Benzene, Solid	ND	500	ug/Kg	10/04/04	krm
	Carbon Disulfide, Solid	ND	500	ug/Kg	10/04/04	krm
	Chlorobenzene, Solid	ND	500	ug/Kg	10/04/04	krm
	Chloroform, Solid	ND	500	ug/Kg	10/04/04	krm
	1,2-Dibromoethane (EDB), Solid	ND	500	ug/Kg	10/04/04	krm
	1,1-Dichloroethane, Solid	ND	500	ug/Kg	10/04/04	krm
	1,2-Dichloroethane (EDC), Solid	ND	500	ug/Kg	10/04/04	krm
	1,4-Dioxane, Solid	ND	10000	ug/Kg	10/04/04	krm
	Ethylbenzene, Solid	ND	500	ug/Kg	10/04/04	krm
	Methyl Ethyl Ketone (2-Butanone), Solid	ND	1000	ug/Kg	10/04/04	krm
	Styrene, Solid	ND	500	ug/Kg	10/04/04	krm
	Tetrachloroethene, Solid	ND	500	ug/Kg	10/04/04	krm
TCEQ TX1005	Toluene, Solid	ND	500	ug/Kg	10/04/04	krm
	1,1,1-Trichloroethane, Solid	ND	500	ug/Kg	10/04/04	krm
	Trichloroethene, Solid	ND	500	ug/Kg	10/04/04	krm
	Xylenes (total), Solid	ND	150D	ug/Kg	10/04/04	krm
	Petroleum Hydrocarbons Extraction n-Pentane Extraction - Solids & Wastes	Complete			10/12/04	erb
TCEQ TX1005	Total Petroleum Hydrocarbons	ND	1000	mg/Kg	10/12/04	qcp
	Petroleum Hydrocarbons (C6 to C12), Solid	12500	1000	mg/Kg	10/12/04	qcp
	Petroleum Hydrocarbons (>C12 to C28), Solid	5700	1000	mg/Kg	10/12/04	qcp
	Petroleum Hydrocarbons (>C28 to C35), Solid	18200	1000	mg/Kg	10/12/04	qcp
	TPH (C6 to C35), Solid					



STL

LABORATORY TEST RESULTS

Job Number: 226936

Date: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Customer Sample ID: TK26S
Date Sampled.....: 09/29/2004
Time Sampled.....: 09:00
Sample Matrix.....: Soil

Laboratory Sample ID: 226936-4
Date Received.....: 09/29/2004
Time Received.....: 11:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	<0.2	0.2	mg/Kg	10/04/04	hmz
SW-846 6010B	Antimony (Sb), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Arsenic (As), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Barium (Ba), Solid	213	1	mg/Kg	09/30/04	jem
SW-846 6010B	Beryllium (Be), Solid	<0.5	0.5	mg/Kg	09/30/04	jem
SW-846 6010B	Cadmium (Cd), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Chromium (Cr), Solid	1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Cobalt (Co), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Lead (Pb), Solid	4	1	mg/Kg	09/30/04	jem
SW-846 6010B	Nickel (Ni), Solid	1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Selenium (Se), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Silver (Ag), Solid	<0.5	0.5	mg/Kg	09/30/04	jem
SW-846 6010B	Vanadium (V), Solid	3	1	mg/Kg	09/30/04	jem
SW-846 6010B	Zinc (Zn), Solid	7	1	mg/Kg	09/30/04	jem
SW-846 3050B	Acid Digestion, Solids and Sludges	Complete				ac
SW-846 3550B	Extraction (Ultrasonic) SVOCs Ultrasonic Extraction	Complete			09/30/04	aig
SW-846 8270C	Semivolatile Organics (Client List)					
	Acenaphthene, Solid	ND	330	ug/Kg	10/05/04	gef
	Anthracene, Solid	ND	330	ug/Kg	10/05/04	gef
	Benzo(a)anthracene (1,2-Benzanthracene), Solid	ND	330	ug/Kg	10/05/04	gef
	Benzo(b)fluoranthene, Solid	ND	330	ug/Kg	10/05/04	gef
	Benzo(k)fluoranthene, Solid	ND	330	ug/Kg	10/05/04	gef
	Benzo(a)pyrene, Solid	ND	330	ug/Kg	10/05/04	gef
	Bis(2-ethylhexyl)phthalate, Solid	ND	330	ug/Kg	10/05/04	gef
	Chrysene, Solid	ND	330	ug/Kg	10/05/04	gef
	Dibenz(a,h)acridine, Solid	ND	330	ug/Kg	10/05/04	gef
	Dibenzo(ah)anthracene, Solid	ND	330	ug/Kg	10/05/04	gef
	1,2-Dichlorobenzene, Solid	ND	330	ug/Kg	10/05/04	gef
	1,3-Dichlorobenzene, Solid	ND	330	ug/Kg	10/05/04	gef
	1,4-Dichlorobenzene, Solid	ND	330	ug/Kg	10/05/04	gef
	Diethyl phthalate, Solid	ND	330	ug/Kg	10/05/04	gef

LABORATORY TEST RESULTS

Job Number: 226936

Date: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Customer Sample ID: TK26S
 Date Sampled.....: 09/29/2004
 Time Sampled.....: 09:00
 Sample Matrix....: Soil

Laboratory Sample ID: 226936-4
 Date Received.....: 09/29/2004
 Time Received.....: 11:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
	Dimethyl phthalate, Solid	ND	330	ug/Kg	10/05/04	gef
	Di-n-butyl phthalate, Solid	ND	330	ug/Kg	10/05/04	gef
	Fluoranthene, Solid	ND	330	ug/Kg	10/05/04	gef
	Fluorene, Solid	ND	330	ug/Kg	10/05/04	gef
	Indene, Solid	ND	660	ug/Kg	10/05/04	gef
	Indeno(123cd)pyrene, Solid	ND	330	ug/Kg	10/05/04	gef
	1-Methylnaphthalene, Solid	ND	330	ug/Kg	10/05/04	gef
	Naphthalene, Solid	ND	330	ug/Kg	10/05/04	gef
	Phenanthrene, Solid	ND	330	ug/Kg	10/05/04	gef
	Pyrene, Solid	ND	330	ug/Kg	10/05/04	gef
	Pyridine, Solid	ND	330	ug/Kg	10/05/04	gef
	Quinoline (Benzo[b]pyridine), Solid	ND	330	ug/Kg	10/05/04	gef
	2,4-Dimethylphenol, Solid	ND	330	ug/Kg	10/05/04	gef
	2,4-Dinitrophenol, Solid	ND	1665	ug/Kg	10/05/04	gef
	2-Methylphenol (o-cresol), Solid	ND	330	ug/Kg	10/05/04	gef
	3 & 4 Methylphenol (m&p cresol), Solid	ND	330	ug/Kg	10/05/04	gef
	4-Nitrophenol, Solid	ND	1665	ug/Kg	10/05/04	gef
	Phenol, Solid	ND	330	ug/Kg	10/05/04	gef
	Thiophenol (Benzenethiol), Solid	ND	1665	ug/Kg	10/05/04	gef
SW-846 8260B	Volatile Organics					
	Benzene, Solid	ND	5	ug/Kg	10/04/04	krm
	Carbon Disulfide, Solid	ND	5	ug/Kg	10/04/04	krm
	Chlorobenzene, Solid	ND	5	ug/Kg	10/04/04	krm
	Chloroform, Solid	ND	5	ug/Kg	10/04/04	krm
	1,2-Dibromoethane (EDB), Solid	ND	5	ug/Kg	10/04/04	krm
	1,1-Dichloroethane, Solid	ND	5	ug/Kg	10/04/04	krm
	1,2-Dichloroethane (EDC), Solid	ND	5	ug/Kg	10/04/04	krm
	1,4-Dioxane, Solid	ND	98.0	ug/Kg	10/04/04	krm
	Ethylbenzene, Solid	ND	5	ug/Kg	10/04/04	krm
	Methyl Ethyl Ketone (2-Butanone), Solid	ND	9.8	ug/Kg	10/04/04	krm
	Styrene, Solid	ND	5	ug/Kg	10/04/04	krm
	Tetrachloroethene, Solid	ND	5	ug/Kg	10/04/04	krm
	Toluene, Solid	ND	5	ug/Kg	10/04/04	krm
	1,1,1-Trichloroethane, Solid	ND	5	ug/Kg	10/04/04	krm
	Trichloroethylene, Solid	ND	5	ug/Kg	10/04/04	krm
	Xylenes (total), Solid	ND	15	ug/Kg	10/04/04	krm
TCEQ TX1005	Petroleum Hydrocarbons Extraction n-Pentane Extraction - Solids & Wastes	Complete			10/12/04	erb
TCEQ TX1005	Total Petroleum Hydrocarbons	ND	50	mg/Kg	10/12/04	qcp
	Petroleum Hydrocarbons (C6 to C12), Solid	484	50	mg/Kg	10/12/04	qcp
	Petroleum Hydrocarbons (>C12 to C28), Solid	336	50	mg/Kg	10/12/04	qcp
	Petroleum Hydrocarbons (>C28 to C35), Solid	820	50	mg/Kg	10/12/04	qcp
	TPH (C6 to C35), Solid					

LABORATORY TEST RESULTS

Job Number: 226936

Date: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Customer Sample ID: TK7W
 Date Sampled.....: 09/29/2004
 Time Sampled.....: 09:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 226936-5
 Date Received.....: 09/29/2004
 Time Received.....: 11:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	<0.2	0.2	mg/Kg	10/04/04	hmz
SW-846 6010B	Antimony (Sb), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Arsenic (As), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Barium (Ba), Solid	99	1	mg/Kg	09/30/04	jem
SW-846 6010B	Beryllium (Be), Solid	0.8	0.5	mg/Kg	09/30/04	jem
SW-846 6010B	Cadmium (Cd), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Chromium (Cr), Solid	12	1	mg/Kg	09/30/04	jem
SW-846 6010B	Cobalt (Co), Solid	1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Lead (Pb), Solid	31	1	mg/Kg	09/30/04	jem
SW-846 6010B	Nickel (Ni), Solid	3	1	mg/Kg	09/30/04	jem
SW-846 6010B	Selenium (Se), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Silver (Ag), Solid	<0.5	0.5	mg/Kg	09/30/04	jem
SW-846 6010B	Vanadium (V), Solid	5	1	mg/Kg	09/30/04	jem
SW-846 6010B	Zinc (Zn), Solid	112	1	mg/Kg	09/30/04	jem
SW-846 3050B	Acid Digestion, Solids and Sludges	Complete				ac
SW-846 5030B	Methanol Extraction-Volatile Organics	Complete			10/04/04	krm
SW-846 3550B	Extraction (Ultrasonic) SVOCs Ultrasonic Extraction	Complete			09/30/04	aig
SW-846 8270C	Semivolatile Organics (Client List)					
	Acenaphthene, Solid	ND	49500	ug/Kg	10/05/04	gef
	Anthracene, Solid	ND	49500	ug/Kg	10/05/04	gef
	Benzo(a)anthracene (1,2-Benzanthracene), Solid	ND	49500	ug/Kg	10/05/04	gef
	Benzo(b)fluoranthene, Solid	ND	49500	ug/Kg	10/05/04	gef
	Benzo(k)fluoranthene, Solid	ND	49500	ug/Kg	10/05/04	gef
	Benzo(a)pyrene, Solid	ND	49500	ug/Kg	10/05/04	gef
	Bis(2-ethylhexyl)phthalate, Solid	ND	49500	ug/Kg	10/05/04	gef
	Chrysene, Solid	ND	49500	ug/Kg	10/05/04	gef
	Dibenz(a,h)acridine, Solid	ND	49500	ug/Kg	10/05/04	gef
	Dibenzo(ah)anthracene, Solid	ND	49500	ug/Kg	10/05/04	gef
	1,2-Dichlorobenzene, Solid	ND	49500	ug/Kg	10/05/04	gef
	1,3-Dichlorobenzene, Solid	ND	49500	ug/Kg	10/05/04	gef

LABORATORY TEST RESULTS

Job Number: 226936

Date: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Customer Sample ID: TK7W
 Date Sampled.....: 09/29/2004
 Time Sampled.....: 09:05
 Sample Matrix.....: Soil

Laboratory Sample ID: 226936-5
 Date Received.....: 09/29/2004
 Time Received.....: 11:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 8260B	1,4-Dichlorobenzene, Solid	ND	49500	ug/Kg	10/05/04	gef
	Diethyl phthalate, Solid	ND	49500	ug/Kg	10/05/04	gef
	Dimethyl phthalate, Solid	ND	49500	ug/Kg	10/05/04	gef
	Di-n-butyl phthalate, Solid	ND	49500	ug/Kg	10/05/04	gef
	Fluoranthene, Solid	ND	49500	ug/Kg	10/05/04	gef
	Fluorene, Solid	ND	49500	ug/Kg	10/05/04	gef
	Indene, Solid	ND	99000	ug/Kg	10/05/04	gef
	Indeno(123cd)pyrene, Solid	ND	49500	ug/Kg	10/05/04	gef
	1-Methylnaphthalene, Solid	ND	49500	ug/Kg	10/05/04	gef
	Naphthalene, Solid	ND	49500	ug/Kg	10/05/04	gef
	Phenanthrene, Solid	ND	49500	ug/Kg	10/05/04	gef
	Pyrene, Solid	ND	49500	ug/Kg	10/05/04	gef
	Pyridine, Solid	ND	49500	ug/Kg	10/05/04	gef
	Quinoline (Benzo[b]pyridine), Solid	ND	49500	ug/Kg	10/05/04	gef
	2,4-Dimethylphenol, Solid	ND	49500	ug/Kg	10/05/04	gef
	2,4-Dinitrophenol, Solid	ND	249800	ug/Kg	10/05/04	gef
	2-Methylphenol (o-cresol), Solid	ND	49500	ug/Kg	10/05/04	gef
	3 & 4 Methylphenol (m&p cresol), Solid	ND	49500	ug/Kg	10/05/04	gef
	4-Nitrophenol, Solid	ND	249800	ug/Kg	10/05/04	gef
	Phenol, Solid	ND	49500	ug/Kg	10/05/04	gef
	Thiophenol (Benzenthiol), Solid	ND	249800	ug/Kg	10/05/04	gef
TCEQ TX1005	Volatile Organics					
	Benzene, Solid	ND	500	ug/Kg	10/04/04	krm
	Carbon Disulfide, Solid	ND	500	ug/Kg	10/04/04	krm
	Chlorobenzene, Solid	ND	500	ug/Kg	10/04/04	krm
	Chloroform, Solid	ND	500	ug/Kg	10/04/04	krm
	1,2-Dibromoethane (EDB), Solid	ND	500	ug/Kg	10/04/04	krm
	1,1-Dichloroethane, Solid	ND	500	ug/Kg	10/04/04	krm
	1,2-Dichloroethane (EDC), Solid	ND	500	ug/Kg	10/04/04	krm
	1,4-Dioxane, Solid	ND	10000	ug/Kg	10/04/04	krm
	Ethylbenzene, Solid	ND	500	ug/Kg	10/04/04	krm
	Methyl Ethyl Ketone (2-Butanone), Solid	ND	1000	ug/Kg	10/04/04	krm
	Styrene, Solid	ND	500	ug/Kg	10/04/04	krm
	Tetrachloroethene, Solid	ND	500	ug/Kg	10/04/04	krm
	Toluene, Solid	ND	500	ug/Kg	10/04/04	krm
	1,1,1-Trichloroethane, Solid	ND	500	ug/Kg	10/04/04	krm
TCEQ TX1005	Trichloroethene, Solid	ND	500	ug/Kg	10/04/04	krm
	Xylenes (total), Solid	ND	1500	ug/Kg	10/04/04	krm
	Petroleum Hydrocarbons Extraction					
	n-Pentane Extraction - Solids & Wastes	Complete				erb
TCEQ TX1005	Total Petroleum Hydrocarbons					
	Petroleum Hydrocarbons (C6 to C12), Solid	ND	5000	mg/Kg	10/12/04	qcp
	Petroleum Hydrocarbons (>C12 to C28), Solid	49300	5000	mg/Kg	10/12/04	qcp
	Petroleum Hydrocarbons (>C28 to C35), Solid	30400	5000	mg/Kg	10/12/04	qcp
	TPH (C6 to C35), Solid	79700	5000	mg/Kg	10/12/04	qcp

LABORATORY TEST RESULTS						
Job Number: 226936					Date: 10/28/2004	
CUSTOMER: BNC Engineering, LLC		PROJECT: NORCO 2311			ATTN: Stephen Halasz	
Customer Sample ID: TK7E Date Sampled.....: 09/29/2004 Time Sampled.....: 09:10 Sample Matrix....: Soil				Laboratory Sample ID: 226936-6 Date Received.....: 09/29/2004 Time Received.....: 11:10		
TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	<0.2	0.2	mg/Kg	10/04/04	hmz
SW-846 6010B	Antimony (Sb), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Arsenic (As), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Barium (Ba), Solid	37	1	mg/Kg	09/30/04	jem
SW-846 6010B	Beryllium (Be), Solid	0.7	0.5	mg/Kg	09/30/04	jem
SW-846 6010B	Cadmium (Cd), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Chromium (Cr), Solid	4	1	mg/Kg	09/30/04	jem
SW-846 6010B	Cobalt (Co), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Lead (Pb), Solid	13	1	mg/Kg	09/30/04	jem
SW-846 6010B	Nickel (Ni), Solid	1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Selenium (Se), Solid	<1	1	mg/Kg	09/30/04	jem
SW-846 6010B	Silver (Ag), Solid	<0.5	0.5	mg/Kg	09/30/04	jem
SW-846 6010B	Vanadium (V), Solid	2	1	mg/Kg	09/30/04	jem
SW-846 6010B	Zinc (Zn), Solid	34	1	mg/Kg	09/30/04	jem
SW-846 3050B	Acid Digestion, Solids and Sludges	Complete				ac
SW-846 5030B	Methanol Extraction-Volatile Organics	Complete			10/04/04	krm
SW-846 3550B	Extraction (Ultrasonic) SVOCs Ultrasonic Extraction	Complete			09/30/04	aig
SW-846 8270C	Semivolatile Organics (Client List)					
	Acenaphthene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Anthracene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Benzo(a)anthracene (1,2-Benzanthracene), Solid	ND	19800	ug/Kg	10/05/04	gef
	Benzo(b)fluoranthene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Benzo(k)fluoranthene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Benzo(a)pyrene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Bis(2-ethylhexyl)phthalate, Solid	ND	19800	ug/Kg	10/05/04	gef
	Chrysene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Dibenz(a,h)acridine, Solid	ND	19800	ug/Kg	10/05/04	gef
	Dibenzo(ah)anthracene, Solid	ND	19800	ug/Kg	10/05/04	gef
	1,2-Dichlorobenzene, Solid	ND	19800	ug/Kg	10/05/04	gef
	1,3-Dichlorobenzene, Solid	ND	19800	ug/Kg	10/05/04	gef

LABORATORY TEST RESULTS

Job Number: 226936

Date: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Customer Sample ID: TK7E
 Date Sampled.....: 09/29/2004
 Time Sampled.....: 09:10
 Sample Matrix.....: Soil

Laboratory Sample ID: 226936-6
 Date Received.....: 09/29/2004
 Time Received.....: 11:10

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
	1,4-Dichlorobenzene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Diethyl phthalate, Solid	ND	19800	ug/Kg	10/05/04	gef
	Dimethyl phthalate, Solid	ND	19800	ug/Kg	10/05/04	gef
	Di-n-butyl phthalate, Solid	ND	19800	ug/Kg	10/05/04	gef
	Fluoranthene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Fluorene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Indene, Solid	ND	39600	ug/Kg	10/05/04	gef
	Indeno(123cd)pyrene, Solid	ND	19800	ug/Kg	10/05/04	gef
	1-Methylnaphthalene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Naphthalene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Phenanthrene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Pyrene, Solid	ND	19800	ug/Kg	10/05/04	gef
	Pyridine, Solid	ND	19800	ug/Kg	10/05/04	gef
	Quinoline (Benzob[<i>b</i>]pyridine), Solid	ND	19800	ug/Kg	10/05/04	gef
	2,4-Dimethylphenol, Solid	ND	19800	ug/Kg	10/05/04	gef
	2,4-Dinitrophenol, Solid	ND	99900	ug/Kg	10/05/04	gef
	2-Methylphenol (<i>o</i> -cresol), Solid	ND	19800	ug/Kg	10/05/04	gef
	3 & 4 Methylphenol (<i>m</i> & <i>c</i> resol), Solid	ND	19800	ug/Kg	10/05/04	gef
	4-Nitrophenol, Solid	ND	99900	ug/Kg	10/05/04	gef
	Phenol, Solid	ND	19800	ug/Kg	10/05/04	gef
	Thiophenol (Benzenthiol), Solid	ND	99900	ug/Kg	10/05/04	gef
SW-846 8260B	Volatile Organics					
	Benzene, Solid	ND	500	ug/Kg	10/04/04	krm
	Carbon Disulfide, Solid	ND	500	ug/Kg	10/04/04	krm
	Chlorobenzene, Solid	ND	500	ug/Kg	10/04/04	krm
	Chloroform, Solid	ND	500	ug/Kg	10/04/04	krm
	1,2-Dibromoethane (EDB), Solid	ND	500	ug/Kg	10/04/04	krm
	1,1-Dichloroethane, Solid	ND	500	ug/Kg	10/04/04	krm
	1,2-Dichloroethane (EDC), Solid	ND	500	ug/Kg	10/04/04	krm
	1,4-Dioxane, Solid	ND	10000	ug/Kg	10/04/04	krm
	Ethylbenzene, Solid	ND	500	ug/Kg	10/04/04	krm
	Methyl Ethyl Ketone (2-Butanone), Solid	ND	1000	ug/Kg	10/04/04	krm
	Styrene, Solid	ND	500	ug/Kg	10/04/04	krm
	Tetrachloroethene, Solid	ND	500	ug/Kg	10/04/04	krm
	Toluene, Solid	ND	500	ug/Kg	10/04/04	krm
	1,1,1-Trichloroethane, Solid	ND	500	ug/Kg	10/04/04	krm
	Trichloroethene, Solid	ND	500	ug/Kg	10/04/04	krm
	Xylenes (total), Solid	ND	1500	ug/Kg	10/04/04	krm
TCEQ TX1005	Petroleum Hydrocarbons Extraction n-Pentane Extraction - Solids & Wastes	Complete			10/12/04	erb
TCEQ TX1D05	Total Petroleum Hydrocarbons Petroleum Hydrocarbons (C6 to C12), Solid Petroleum Hydrocarbons (>C12 to C28), Solid Petroleum Hydrocarbons (>C28 to C35), Solid TPH (C6 to C35), Solid	ND 45600 29000 74600	5000 5000 5000 5000	mg/Kg mg/Kg mg/Kg mg/Kg	10/12/04 10/12/04 10/12/04 10/12/04	qcp qcp qcp qcp

QUALITY CONTROL RESULTS

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Test Method.....: SW-846 7471A	Batch.....: 98842	Analyst...: hmx
Method Description.: Mercury (CVAA)	Units.....: mg/Kg	Test Code.: HG
Parameter.....: Mercury (Hg)		

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
ICV		M41004HG	0.00507		0.00500		101.4	%	90-110	10/04/2004	1332
ICB			-0.000078							10/04/2004	1337
SB		M0384HG	0.00755		0.007540		100.1	%	40-160	10/04/2004	1341
MB			0.000166							10/04/2004	1351
MS	226940-1	M41004HG	0.00583		0.00500	-0.000075	118.1	%	75-130	10/04/2004	1428
MSD	226940-1	M41004HG	0.00579	0.00583	0.00500	-0.000075	117.3	%	75-130	10/04/2004	1433
							0.7	R	20		
CCV		M41004HG	0.00545		0.00500		109.0	%	80-120	10/04/2004	1452
CCB			0.000124							10/04/2004	1456
CCV		M41004HG	0.00497		0.00500		99.4	%	80-120	10/04/2004	1510
CCB			-0.000017							10/04/2004	1515
SB		M0384HG	0.00752		0.007540		99.7	%	40-160	10/04/2004	1520
MB			-0.000066							10/04/2004	1524
CCV		M41004HG	0.00516		0.00500		103.2	%	80-120	10/04/2004	1607
CCB			-0.000046							10/04/2004	1611
MB			-0.000170							10/04/2004	1616

Test Method.....: SW-846 6010B	Batch.....: 98768	Analyst...: jem
Method Description.: Metals Analysis (ICAP)	Units.....: mg/L	Test Code.: SB
Parameter.....: Antimony (Sb)		

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0371	1.00583887		1.00		100.6	%	90-110	09/30/2004	1424
ICV		M0368	1.06653529		1.00		106.7	%	90-110	09/30/2004	1430
ICV		M0380	1.07222077		1.00		107.2	%	90-110	09/30/2004	1439
ICV		M0374	0.95949164		1.00		95.9	%	90-110	09/30/2004	1444
ICB			0.00016963							09/30/2004	1453
ICB			0.00105159							09/30/2004	1505
ICV		M0393	0.50128980		0.500		100.3	%	90-110	09/30/2004	1509
CCV		M0388	1.02170398		1.00		102.2	%	90-110	09/30/2004	1514
CCB			-0.0031569							09/30/2004	1526
CCV		M0388	1.00165607		1.00		100.2	%	90-110	09/30/2004	1603
CCB			-0.0001373							09/30/2004	1616
MB		3010	-0.0005266							09/30/2004	1655
LCS		M351	0.51208182		0.500		102.4	%	80-120	09/30/2004	1702
MS	226941-2	M351	0.53997848		0.500	-0.0217280	112.3	%	75-125	09/30/2004	1717
MSD	226941-2	M351	0.54003217	0.53997848	0.500	-0.0217280	112.4	%	75-125	09/30/2004	1723
							0.0	R	20		
MB		3050	-0.0012310							09/30/2004	1731
LCS		M351	0.47247175		0.500		94.5	%	80-120	09/30/2004	1738
CCV		M0388	0.99161894		1.00		99.2	%	90-110	09/30/2004	1743
CCB			-0.0017792							09/30/2004	1755
MS	226901-1	M351	0.12489016		0.500	-0.0868247	42.3	%	75-125	09/30/2004	1838
CCV		M0388	0.97679286		1.00		97.7	%	90-110	09/30/2004	1844
CCB			-0.0018536							09/30/2004	1856
MSD	226901-1	M351	0.13119200	0.12489016	0.500	-0.0868247	43.6	%	75-125	09/30/2004	1859
							4.9	R	20		
CCV		M0388	0.96208511		1.00		96.2	%	90-110	09/30/2004	1926
CCB			0.00218911							09/30/2004	1938

QUALITY CONTROL RESULTS

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Arsenic (As)

Batch.....: 98768
 Units.....: mg/L

Analyst...: jem
 Test Code.: AS

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.01418237		2.00		100.7	%	90-110	09/30/2004	1421
ICV		M0368	1.00171411		1.00		100.2	%	90-110	09/30/2004	1430
ICV		M0380	0.99785135		1.00		99.8	%	90-110	09/30/2004	1439
ICB			0.00201162							09/30/2004	1453
ICB			0.00166590							09/30/2004	1505
ICV		M0393	0.48384507		0.500		96.8	%	90-110	09/30/2004	1509
CCV		M0388	1.02065378		1.00		102.1	%	90-110	09/30/2004	1514
CCB			0.00093289							09/30/2004	1526
CCV		M0388	1.00834146		1.00		100.8	%	90-110	09/30/2004	1603
CCB			0.00138902							09/30/2004	1616
MB		3010	-0.0020399							09/30/2004	1655
LCS		M351	0.48745898		0.500		97.5	%	80-120	09/30/2004	1702
MS	226941-2	M351	0.53898713		0.500	-0.0073486	109.3	%	75-125	09/30/2004	1717
MSD	226941-2	M351	0.53848811	0.53898713	0.500	-0.0073486	109.2	%	75-125	09/30/2004	1723
							0.1	R 20			
MB		3050	-0.0001489							09/30/2004	1731
LCS		M351	0.48753437		0.500		97.5	%	80-120	09/30/2004	1738
CCV		M0388	0.99708219		1.00		99.7	%	90-110	09/30/2004	1743
CCB			-0.0010234							09/30/2004	1755
LCS		M383D	2.13455777		2.31		92.4	%	80-120	09/30/2004	1759
MS	226901-1	M351	0.51399760		0.500	0.04071344	94.7	%	75-125	09/30/2004	1838
CCV		M0388	0.98189201		1.00		98.2	%	90-110	09/30/2004	1844
CCB			0.00347791							09/30/2004	1856
MSD	226901-1	M351	0.49709408	0.51399760	0.500	0.04071344	91.3	%	75-125	09/30/2004	1859
							3.3	R 20			
CCV		M0388	0.97736499		1.00		97.7	%	90-110	09/30/2004	1926
CCB			0.00012077							09/30/2004	1938

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Barium (Ba)

Batch.....: 98768
 Units.....: mg/L

Analyst...: jem
 Test Code.: BA

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99374622		2.00		99.7	%	90-110	09/30/2004	1421
ICV		M0369	1.04345106		1.00		104.3	%	90-110	09/30/2004	1435
ICB			0.00032202							09/30/2004	1453
ICB			0.00027536							09/30/2004	1505
ICV		M0393	0.49061620		0.500		98.1	%	90-110	09/30/2004	1509
CCV		M0388	1.04619011		1.00		104.6	%	90-110	09/30/2004	1514
CCB			0.00032042							09/30/2004	1526
CCV		M0388	1.01456161		1.00		101.5	%	90-110	09/30/2004	1603
CCB			0.00034361							09/30/2004	1616
MB		3010	0.00046590							09/30/2004	1655
LCS		M351	0.49166782		0.500		98.3	%	80-120	09/30/2004	1702
MS	226941-2	M351	0.65133851		0.500	0.15310645	99.6	%	75-125	09/30/2004	1717
MSD	226941-2	M351	0.64701848	0.65133851	0.500	0.15310645	98.8	%	75-125	09/30/2004	1723
							0.7	R 20			
MB		3050	0.00053036							09/30/2004	1731
LCS		M351	0.50104579		0.500		100.2	%	80-120	09/30/2004	1738
CCV		M0388	0.99768931		1.00		99.8	%	90-110	09/30/2004	1743
CCB			0.00035091							09/30/2004	1755

QUALITY CONTROL RESULTS

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Barium (Ba)

Batch.....: 98768
 Units.....: mg/L

Analyst...: jem
 Test Code.: BA

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
LCS		M383D	9.07315446		10.00		90.7	%	80-120	09/30/2004	1759
MS	226901-1	M351	1.31706250		0.500	0.84229495	95.0	%	75-125	09/30/2004	1838
CCV		M0388	0.98914300		1.00		98.9	%	90-110	09/30/2004	1844
CCB			0.00056707							09/30/2004	1856
MSD	226901-1	M351	1.30480848	1.31706250	0.500	0.84229495	92.5	%	75-125	09/30/2004	1859
CCV		M0388	0.98341891		1.00		98.3	%	90-110	09/30/2004	1926
CCB			0.00042237							09/30/2004	1938

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Beryllium (Be)

Batch.....: 98768
 Units.....: mg/L

Analyst...: jem
 Test Code.: BE

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	0.99699508		1.0		99.7	%	90-110	09/30/2004	1421
ICV		M0368	0.95786428		1.00		95.8	%	90-110	09/30/2004	1430
ICV		M0380	0.94936804		1.00		94.9	%	90-110	09/30/2004	1439
ICB			0.00024026							09/30/2004	1453
ICB			0.00022763							09/30/2004	1505
ICV		M0393	0.46272389		0.500		92.5	%	90-110	09/30/2004	1509
CCV		M0388	0.51279698		0.50		102.6	%	90-110	09/30/2004	1514
CCB			0.00019195							09/30/2004	1526
CCV		M0388	0.49891560		0.50		99.8	%	90-110	09/30/2004	1603
CCB			0.00017643							09/30/2004	1616
MB		3010	0.00029435							09/30/2004	1655
LCS		M351	0.24111433		0.25		96.4	%	80-120	09/30/2004	1702
MS	226941-2	M351	0.25760607		0.25	0.00020765	103.0	%	75-125	09/30/2004	1717
MSD	226941-2	M351	0.25705787	0.25760607	0.25	0.00020765	102.7	%	75-125	09/30/2004	1723
MB		3050	0.00033914				0.2	R 20			
LCS		M351	0.23982289		0.25		95.9	%	80-120	09/30/2004	1738
CCV		M0388	0.49316537		0.50		98.6	%	90-110	09/30/2004	1743
CCB			0.00025901							09/30/2004	1755
LCS		M383D	0.69264754		0.748		92.6	%	80-120	09/30/2004	1759
MS	226901-1	M351	0.28971388		0.25	0.05196877	95.1	%	75-125	09/30/2004	1838
CCV		M0388	0.48931335		0.50		97.9	%	90-110	09/30/2004	1844
CCB			0.00022102							09/30/2004	1856
MSD	226901-1	M351	0.28980566	0.28971388	0.25	0.05196877	95.1	%	75-125	09/30/2004	1859
CCV		M0388	0.48583216		0.50		97.2	%	90-110	09/30/2004	1926
CCB			0.00026022							09/30/2004	1938



STL

Job Number.: 226936

QUALITY CONTROL RESULTS

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Cadmium (Cd)

Batch.....: 98768
 Units.....: mg/L

Analyst...: jem
 Test Code.: CD

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99495740		2.00		99.7	%	90-110	09/30/2004	1421
ICV		M0368	1.01721927		1.00		101.7	%	90-110	09/30/2004	1430
ICV		M0380	1.01258763		1.00		101.3	%	90-110	09/30/2004	1439
ICB			0.00012599							09/30/2004	1453
ICB			0.00010060							09/30/2004	1505
ICV		M0393	0.49421189		0.500		98.8	%	90-110	09/30/2004	1509
CCV		M0388	1.03410101		1.00		103.4	%	90-110	09/30/2004	1514
CCB			0.00005082							09/30/2004	1526
CCV		M0388	1.00831477		1.00		100.8	%	90-110	09/30/2004	1603
CCB			-0.0001085							09/30/2004	1616
MB		3010	0.00016347							09/30/2004	1655
LCS		M351	0.48800620		0.500		97.6	%	80-120	09/30/2004	1702
MS 226941-2		M351	0.49515927		0.500	0.00030438	99.0	%	75-125	09/30/2004	1717
MSD 226941-2		M351	0.49112772	0.49515927	0.500	0.00030438	98.2	%	75-125	09/30/2004	1723
							0.8	R 20			
MB		3050	-0.0002120							09/30/2004	1731
LCS		M351	0.48876335		0.500		97.8	%	80-120	09/30/2004	1738
CCV		M0388	0.99368187		1.00		99.4	%	90-110	09/30/2004	1743
CCB			-0.0003171							09/30/2004	1755
LCS		M383D	1.13433967		1.27		89.3	%	80-120	09/30/2004	1759
MS 226901-1		M351	0.45873181		0.500	0.02365864	87.0	%	75-125	09/30/2004	1838
CCV		M0388	0.98119309		1.00		98.1	%	90-110	09/30/2004	1844
CCB			-0.0001524							09/30/2004	1856
MSD 226901-1		M351	0.45847615	0.45873181	0.500	0.02365864	87.0	%	75-125	09/30/2004	1859
							0.1	R 20			
CCV		M0388	0.97706581		1.00		97.7	%	90-110	09/30/2004	1926
CCB			0.00021975							09/30/2004	1938

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Chromium (Cr)

Batch.....: 98768
 Units.....: mg/L

Analyst...: jem
 Test Code.: CR

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00214298		2.00		100.1	%	90-110	09/30/2004	1421
ICV		M0368	1.00686346		1.00		100.7	%	90-110	09/30/2004	1430
ICV		M0380	1.00905946		1.00		100.9	%	90-110	09/30/2004	1439
ICB			0.00025171							09/30/2004	1453
ICB			0.00014675							09/30/2004	1505
ICV		M0393	0.48567408		0.500		97.1	%	90-110	09/30/2004	1509
CCV		M0388	1.04139377		1.00		104.1	%	90-110	09/30/2004	1514
CCB			0.00006971							09/30/2004	1526
CCV		M0388	1.01017279		1.00		101.0	%	90-110	09/30/2004	1603
CCB			0.00045519							09/30/2004	1616
MB		3010	0.00028110							09/30/2004	1655
LCS		M351	0.48689024		0.500		97.4	%	80-120	09/30/2004	1702
MS 226941-2		M351	0.50610927		0.500	0.00226492	100.8	%	75-125	09/30/2004	1717
MSD 226941-2		M351	0.50407023	0.50610927	0.500	0.00226492	100.4	%	75-125	09/30/2004	1723
							0.4	R 20			
MB		3050	0.00027962							09/30/2004	1731
LCS		M351	0.50244063		0.500		100.5	%	80-120	09/30/2004	1738
CCV		M0388	0.99468316		1.00		99.5	%	90-110	09/30/2004	1743



STL

QUALITY CONTROL RESULTS

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Chromium (Cr)

Batch.....: 98768

Units.....: mg/L

Analyst...: jem

Test Code.: CR

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			0.00011295							09/30/2004	1755
LCS		M383D	1.88512222		2.07		91.1	%	80-120	09/30/2004	1759
MS	226901-1	M351	2.32492777		0.500	1.86448046	92.1	%	75-125	09/30/2004	1838
CCV		M0388	0.98636071		1.00		98.6	%	90-110	09/30/2004	1844
CCB			0.00038303							09/30/2004	1856
MSD	226901-1	M351	2.29672062	2.32492777	0.500	1.86448046	86.4	%	75-125	09/30/2004	1859
CCV		M0388	0.98336793		1.00		1.2	R 20	% 90-110	09/30/2004	1926
CCB			0.00030002				98.3	%	90-110	09/30/2004	1938

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Cobalt (Co)

Batch.....: 98768

Units.....: mg/L

Analyst...: jem

Test Code.: CO

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99569500		2.00		99.8	%	90-110	09/30/2004	1421
ICV		M0368	1.02544122		1.00		102.5	%	90-110	09/30/2004	1430
ICV		M0380	1.06230514		1.00		106.2	%	90-110	09/30/2004	1439
ICB			0.00063072							09/30/2004	1453
ICB			0.00082820							09/30/2004	1505
ICV		M0393	0.49776615		0.500		99.6	%	90-110	09/30/2004	1509
CCV		M0388	1.04741102		1.00		104.7	%	90-110	09/30/2004	1514
CCB			0.00074160							09/30/2004	1526
CCV		M0388	1.02020751		1.00		102.0	%	90-110	09/30/2004	1603
CCB			0.00058137							09/30/2004	1616
MB	3010		0.00058646							09/30/2004	1655
LCS		M351	0.49394460		0.500		98.8	%	80-120	09/30/2004	1702
MS	226941-2	M351	0.50633137		0.500	0.00098838	101.1	%	75-125	09/30/2004	1717
MSD	226941-2	M351	0.50377379	0.50633137	0.500	0.00098838	100.6	%	75-125	09/30/2004	1723
							0.5	R 20			
MB	3050		0.00065291							09/30/2004	1731
LCS		M351	0.50116149		0.500		100.2	%	80-120	09/30/2004	1738
CCV		M0388	1.00003838		1.00		100.0	%	90-110	09/30/2004	1743
CCB			0.00052248							09/30/2004	1755
LCS		M383D	1.92364143		2.10		91.6	%	80-120	09/30/2004	1759
MS	226901-1	M351	0.57532407		0.500	0.13237019	88.6	%	75-125	09/30/2004	1838
CCV		M0388	0.99244521		1.00		99.2	%	90-110	09/30/2004	1844
CCB			0.00074509							09/30/2004	1856
MSD	226901-1	M351	0.57505996	0.57532407	0.500	0.13237019	88.5	%	75-125	09/30/2004	1859
							0.0	R 20			
CCV		M0388	0.98574763		1.00		98.6	%	90-110	09/30/2004	1926
CCB			0.00082848							09/30/2004	1938

QUALITY CONTROL RESULTS

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Lead (Pb)

Batch.....: 98768
 Units.....: mg/L

Analyst...: jem
 Test Code.: PB

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99426531		2.00		99.7	%	90-110	09/30/2004	1421
ICV		M0368	1.03183492		1.00		103.2	%	90-110	09/30/2004	1430
ICV		M0380	1.02554590		1.00		102.6	%	90-110	09/30/2004	1439
ICB			-0.0004514							09/30/2004	1453
ICB			0.00003032							09/30/2004	1505
ICV		M0393	0.49966610		0.500		99.9	%	90-110	09/30/2004	1509
CCV		M0388	1.01516978		1.00		101.5	%	90-110	09/30/2004	1514
CCB			0.00055348							09/30/2004	1526
CCV		M0388	0.99744092		1.00		99.7	%	90-110	09/30/2004	1603
CCB			-0.0009123							09/30/2004	1616
MB		3010	-0.0003995							09/30/2004	1655
LCS		M351	0.48503137		0.500		97.0	%	80-120	09/30/2004	1702
MS 226941-2		M351	0.48641521		0.500	-0.0005193	97.4	%	75-125	09/30/2004	1717
MSD 226941-2		M351	0.48708516	0.48641521	0.500	-0.0005193	97.5	%	75-125	09/30/2004	1723
							0.1	R 20			
MB		3050	0.00033632							09/30/2004	1731
LCS		M351	0.49354503		0.500		98.7	%	80-120	09/30/2004	1738
CCV		M0388	0.99060682		1.00		99.1	%	90-110	09/30/2004	1743
CCB			-0.0014362							09/30/2004	1755
LCS		M383D	1.82448633		2.04		89.4	%	80-120	09/30/2004	1759
MS 226901-1		M351	1.57272943		0.500	1.17513749	79.5	%	75-125	09/30/2004	1838
CCV		M0388	0.97477543		1.00		97.5	%	90-110	09/30/2004	1844
CCB			-0.0010114							09/30/2004	1856
MSD 226901-1		M351	1.56811960	1.57272943	0.500	1.17513749	78.6	%	75-125	09/30/2004	1859
							0.3	R 20			
CCV		M0388	0.97286892		1.00		97.3	%	90-110	09/30/2004	1926
CCB			-0.0007610							09/30/2004	1938

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Nickel (Ni)

Batch.....: 98768
 Units.....: mg/L

Analyst...: jem
 Test Code.: NI

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.98693757		2.00		99.3	%	90-110	09/30/2004	1421
ICV		M0368	1.03017645		1.00		103.0	%	90-110	09/30/2004	1430
ICV		M0380	1.01946771		1.00		101.9	%	90-110	09/30/2004	1439
ICB			0.00008640							09/30/2004	1453
ICB			0.00003220							09/30/2004	1505
ICV		M0393	0.49283008		0.500		98.6	%	90-110	09/30/2004	1509
CCV		M0388	1.04286439		1.00		104.3	%	90-110	09/30/2004	1514
CCB			-0.0000547							09/30/2004	1526
CCV		M0388	1.01667656		1.00		101.7	%	90-110	09/30/2004	1603
CCB			0.00005536							09/30/2004	1616
MB		3010	0.00060025							09/30/2004	1655
LCS		M351	0.48985254		0.500		98.0	%	80-120	09/30/2004	1702
MS 226941-2		M351	0.51549182		0.500	0.00977873	101.1	%	75-125	09/30/2004	1717
MSD 226941-2		M351	0.50989319	0.51549182	0.500	0.00977873	100.0	%	75-125	09/30/2004	1723
							1.1	R 20			
MB		3050	0.00029740							09/30/2004	1731
LCS		M351	0.49762258		0.500		99.5	%	80-120	09/30/2004	1738
CCV		M0388	0.99758844		1.00		99.8	%	90-110	09/30/2004	1743



STL

QUALITY CONTROL RESULTS

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Nickel (Ni)

Batch.....: 98768
 Units.....: mg/L

Analyst...: jem
 Test Code.: NI

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
CCB			-0.0000742							09/30/2004	1755
LCS		M3830	1.69366605		1.89		89.6	%	80-120	09/30/2004	1759
MS	226901-1	M351	0.79544170		0.500	0.32691130	93.7	%	75-125	09/30/2004	1838
CCV		M0388	0.98855401		1.00		98.9	%	90-110	09/30/2004	1844
CCB			0.00011233							09/30/2004	1856
MSD	226901-1	M351	0.79088083	0.79544170	0.500	0.32691130	92.8	%	75-125	09/30/2004	1859
CCV		M0388	0.98451897		1.00		0.6	R 20			
CCB			0.00022660				98.5	%	90-110	09/30/2004	1926
										09/30/2004	1938

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Selenium (Se)

Batch.....: 98768
 Units.....: mg/L

Analyst...: jem
 Test Code.: SE

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	2.00560287		2.00		100.3	%	90-110	09/30/2004	1421
ICV		M0368	1.00654949		1.00		100.7	%	90-110	09/30/2004	1430
ICV		M0380	0.99292438		1.00		99.3	%	90-110	09/30/2004	1439
ICB			-0.0023850							09/30/2004	1453
ICB			-0.0055229							09/30/2004	1505
ICV		M0393	0.48425688		0.500		96.9	%	90-110	09/30/2004	1509
CCV		M0388	1.00339102		1.00		100.3	%	90-110	09/30/2004	1514
CCB			-0.0027232							09/30/2004	1526
CCV		M0388	0.99879861		1.00		99.9	%	90-110	09/30/2004	1603
CCB			0.00173869							09/30/2004	1616
MB	3010		0.00311183							09/30/2004	1655
LCS		M351	0.48250083		0.500		96.5	%	80-120	09/30/2004	1702
MS	226941-2	M351	0.52269620		0.500	-0.0021665	105.0	%	75-125	09/30/2004	1717
MSD	226941-2	M351	0.52072472	0.52269620	0.500	-0.0021665	104.6	%	75-125	09/30/2004	1723
							0.4	R 20			
MB	3050		-0.0047894							09/30/2004	1731
LCS		M351	0.47026250		0.500		94.1	%	80-120	09/30/2004	1738
CCV		M0388	0.99285584		1.00		99.3	%	90-110	09/30/2004	1743
CCB			0.00046452							09/30/2004	1755
LCS		M383D	0.97654986		0.996		98.0	%	80-120	09/30/2004	1759
MS	226901-1	M351	0.41846551		0.500	-0.0139146	86.5	%	75-125	09/30/2004	1838
CCV		M0388	0.96433642		1.00		96.4	%	90-110	09/30/2004	1844
CCB			-0.0022029							09/30/2004	1856
MSD	226901-1	M351	0.43655644	0.41846551	0.500	-0.0139146	90.1	%	75-125	09/30/2004	1859
							4.2	R 20			
CCV		M0388	0.96398429		1.00		96.4	%	90-110	09/30/2004	1926
CCB			0.00106342							09/30/2004	1938

QUALITY CONTROL RESULTS

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Silver (Ag)

Batch.....: 98768
 Units.....: mg/L

Analyst...: jem
 Test Code.: AG

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	0.99888670		1.0		99.9	%	90-110	09/30/2004	1421
ICV		M0369	1.06342323		1.00		106.3	%	90-110	09/30/2004	1435
ICB			0.00021016						09/30/2004	1453	
ICB			0.00045928						09/30/2004	1505	
ICV		M0393	0.49569657		0.500		99.1	%	90-110	09/30/2004	1509
CCV		M0388	0.51766952		0.50		103.5	%	90-110	09/30/2004	1514
CCB			0.00040131						09/30/2004	1526	
CCV		M0388	0.50662189		0.50		101.3	%	90-110	09/30/2004	1603
CCB			0.00022955						09/30/2004	1616	
MB		3010	-0.0005511						09/30/2004	1655	
LCS		M351	0.22176311		0.25		88.7	%	80-120	09/30/2004	1702
MS 226941-2		M351	0.22183313		0.25	-0.0053874	90.9	%	75-125	09/30/2004	1717
MSD 226941-2		M351	0.22186316	0.22183313	0.25	-0.0053874	90.9	%	75-125	09/30/2004	1723
							0.0	R 20			
MB		3050	0.00033726						09/30/2004	1731	
LCS		M351	0.22103409		0.25		88.4	%	80-120	09/30/2004	1738
CCV		M0388	0.49980165		0.50		100.0	%	90-110	09/30/2004	1743
CCB			-0.0000111						09/30/2004	1755	
LCS		M383D	1.01464368		0.953		106.5	%	80-120	09/30/2004	1759
MS 226901-1		M351	0.19583822		0.25	-0.0149617	84.3	%	75-125	09/30/2004	1838
CCV		M0388	0.49445507		0.50		98.9	%	90-110	09/30/2004	1844
CCB			0.00064574						09/30/2004	1856	
MSD 226901-1		M351	0.19651177	0.19583822	0.25	-0.0149617	84.6	%	75-125	09/30/2004	1859
							0.3	R 20			
CCV		M0388	0.49074003		0.50		98.1	%	90-110	09/30/2004	1926
CCB			0.00079504						09/30/2004	1938	

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Vanadium (V)

Batch.....: 98768
 Units.....: mg/L

Analyst...: jem
 Test Code.: V

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99498123		2.00		99.7	%	90-110	09/30/2004	1421
ICV		M0368	0.99293620		1.00		99.3	%	90-110	09/30/2004	1430
ICV		M0380	0.99909515		1.00		99.9	%	90-110	09/30/2004	1439
ICB			-0.0006545						09/30/2004	1453	
ICB			0.00091041						09/30/2004	1505	
ICV		M0393	0.47774943		0.500		95.5	%	90-110	09/30/2004	1509
CCV		M0388	1.01509763		1.00		101.5	%	90-110	09/30/2004	1514
CCB			0.00014177						09/30/2004	1526	
CCV		M0388	0.98535312		1.00		98.5	%	90-110	09/30/2004	1603
CCB			0.00078422						09/30/2004	1616	
MB		3010	0.00035960						09/30/2004	1655	
LCS		M351	0.47114216		0.500		94.2	%	80-120	09/30/2004	1702
MS 226941-2		M351	0.51372164		0.500	0.00425552	101.9	%	75-125	09/30/2004	1717
MSD 226941-2		M351	0.51268995	0.51372164	0.500	0.00425552	101.7	%	75-125	09/30/2004	1723
							0.2	R 20			
MB		3050	0.00032991						09/30/2004	1731	
LCS		M351	0.48736800		0.500		97.5	%	80-120	09/30/2004	1738
CCV		M0388	0.97149098		1.00		97.1	%	90-110	09/30/2004	1743
CCB			0.00058549						09/30/2004	1755	

QUALITY CONTROL RESULTS

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Vanadium (V)

Batch.....: 98768
 Units.....: mg/L

Analyst...: jem
 Test Code.: V

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
LCS		M383D	1.72552825		2.04		84.6	%	80-120	09/30/2004	1759
MS	226901-1	M351	1.52248511		0.500	1.05839746	92.8	%	75-125	09/30/2004	1838
CCV		M0388	0.96346783		1.00		96.3	%	90-110	09/30/2004	1844
CCB			-0.0002095							09/30/2004	1856
MSD	226901-1	M351	1.50749125	1.52248511	0.500	1.05839746	89.8	%	75-125	09/30/2004	1859
CCV		M0388	0.95604331		1.00		95.6	%	90-110	09/30/2004	1926
CCB			0.00035405							09/30/2004	1938

Test Method.....: SW-846 6010B
 Method Description.: Metals Analysis (ICAP)
 Parameter.....: Zinc (Zn)

Batch.....: 98768
 Units.....: mg/L

Analyst...: jem
 Test Code.: ZN

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	Date	Time
RS		M0387	1.99518612		2.00		99.8	%	90-110	09/30/2004	1421
ICV		M0368	1.02792689		1.00		102.8	%	90-110	09/30/2004	1430
ICV		M0380	1.02995556		1.00		103.0	%	90-110	09/30/2004	1439
ICB			-0.0006957							09/30/2004	1453
ICB			-0.0007405							09/30/2004	1505
ICV		M0393	0.49838724		0.500		99.7	%	90-110	09/30/2004	1509
CCV		M0388	1.03810657		1.00		103.8	%	90-110	09/30/2004	1514
CCB			-0.0009452							09/30/2004	1526
CCV		M0388	1.00728057		1.00		100.7	%	90-110	09/30/2004	1603
CCB			-0.0009400							09/30/2004	1616
MB	3010	0.00184278								09/30/2004	1655
LCS		M351	0.48139934		0.500		96.3	%	80-120	09/30/2004	1702
MS	226941-2	M351	0.54389677		0.500	0.01882920	105.0	%	75-125	09/30/2004	1717
MSD	226941-2	M351	0.54640119	0.54389677	0.500	0.01882920	105.5	%	75-125	09/30/2004	1723
MB		3050	-0.0008076				0.5	R 20			
LCS		M351	0.48556729		0.500		97.1	%	80-120	09/30/2004	1738
CCV		M0388	0.99480964		1.00		99.5	%	90-110	09/30/2004	1743
CCB			-0.0012554							09/30/2004	1755
LCS		M383D	2.92742312		3.29		89.0	%	80-120	09/30/2004	1759
MS	226901-1	M351	3.91469687		0.500	3.67195535	48.5	%	75-125	09/30/2004	1838
CCV		M0388	0.98916770		1.00		98.9	%	90-110	09/30/2004	1844
CCB			-0.0000698							09/30/2004	1856
MSD	226901-1	M351	3.87082019	3.91469687	0.500	3.67195535	39.8	%	75-125	09/30/2004	1859
							1.1	R 20			



STL

Job Number.: 226936

Report Date.: 10/28/2004

QUALITY CONTROL RESULTS

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: SW-846 8270C Units.....: ug/L Analyst...: gef
 Method Description.: Semivolatile Organics (Client List) Batch.....: 98876

MB	Method Blank	093004				10/05/2004 0133
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits
Acenaphthene, Solid	ND					
Anthracene, Solid	ND					
Benzo(a)anthracene (1,2-Benzanthracene),	ND					
Benzo(b)fluoranthene, Solid	ND					
Benzo(k)fluoranthene, Solid	ND					
Benzo(a)pyrene, Solid	ND					
Bis(2-ethylhexyl)phthalate, Solid	0.66					
Chrysene, Solid	ND					
Dibenz(a,h)acridine, Solid	ND					
Dibenzo(ah)anthracene, Solid	ND					
1,2-Dichlorobenzene, Solid	ND					
1,3-Dichlorobenzene, Solid	ND					
1,4-Dichlorobenzene, Solid	ND					
Diethyl phthalate, Solid	ND					
Dimethyl phthalate, Solid	ND					
Di-n-butyl phthalate, Solid	ND					
Fluoranthene, Solid	ND					
Fluorene, Solid	ND					
Indene, Solid	ND					
Indeno(123cd)pyrene, Solid	ND					
1-Methylnaphthalene, Solid	ND					
Naphthalene, Solid	ND					
Phenanthrene, Solid	ND					
Pyrene, Solid	ND					
Pyridine, Solid	ND					
Quinoline (Benzo[b]pyridine), Solid	ND					
2,4-Dimethylphenol, Solid	ND					
2,4-Dinitrophenol, Solid	ND					
2-Methylphenol (o-cresol), Solid	ND					
3 & 4 Methylphenol (m&p cresol), Solid	ND					
4-Nitrophenol, Solid	ND					
Phenol, Solid	ND					
Thiophenol (Benzenthiol), Solid	ND					

MS	Matrix Spike	OXL40922	226936-1	10.00	10/05/2004 0347
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits
Acenaphthene, Solid	10.09		10.000000	ND	100.9	% 62-120
Anthracene, Solid	9.74		10.000000	1.27	84.7	% 64-120
Benzo(a)anthracene (1,2-Benzanthracene),	11.00		10.000000	2.02	89.8	% 66-120
Benzo(b)fluoranthene, Solid	8.17		10.000000	0.93	72.4	% 67-120
Benzo(k)fluoranthene, Solid	8.88		10.000000	ND	88.8	% 61-120
Benzo(a)pyrene, Solid	8.15		10.000000	0.90	72.5	% 65-120
Bis(2-ethylhexyl)phthalate, Solid	11.64		10.000000	1.67	99.7	% 61-120
Chrysene, Solid	11.97		10.000000	3.79	81.8	% 66-120
Dibenz(a,h)acridine, Solid	8.43		10.000000	ND	84.3	% 48-120
Dibenzo(ah)anthracene, Solid	8.04		10.000000	0.40	76.4	% 41-120
1,2-Dichlorobenzene, Solid	6.93		10.000000	ND	69.3	% 53-120

QUALITY CONTROL RESULTS

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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MS	Matrix Spike	OXL40922	226936-1	10.00	10/05/2004	0347
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits
1,3-Dichlorobenzene, Solid	7.18		10.000000	ND	71.8	%	51-120
1,4-Dichlorobenzene, Solid	7.12		10.000000	ND	71.2	%	52-120
Diethyl phthalate, Solid	8.34		10.000000	ND	83.4	%	61-120
Dimethyl phthalate, Solid	8.42		10.000000	ND	84.2	%	61-120
Di-n-butyl phthalate, Solid	8.50		10.000000	ND	85.0	%	61-120
Fluoranthene, Solid	9.45		10.000000	1.77	76.8	%	62-120
Fluorene, Solid	13.28		10.000000	4.41	88.7	%	64-120
Indene, Solid	7.58		10.000000	0.21	73.7	%	41-120
Indeno(123cd)pyrene, Solid	7.99		10.000000	ND	79.9	%	38-120
1-Methylnaphthalene, Solid	9.47		10.000000	1.33	81.4	%	60-140
Naphthalene, Solid	8.57		10.000000	0.64	79.3	%	54-120
Phenanthrene, Solid	19.28		10.000000	12.98	63.0	%	65-120
Pyrene, Solid	14.24		10.000000	5.30	89.4	%	65-120
Pyridine, Solid	4.09		10.000000	ND	40.9	%	25-120
Quinoline (Benz[b]pyridine), Solid	8.79		10.000000	ND	87.9	%	29-120
2,4-Dimethylphenol, Solid	10.53		10.000000	ND	105.3	%	65-120
2,4-Dinitrophenol, Solid	1.22		10.000000	ND	12.2	%	51-120
2-Methylphenol (α -cresol), Solid	8.32		10.000000	ND	83.2	%	59-120
3 & 4 Methylphenol (m&p cresol), Solid	16.88		20.000000	ND	84.4	%	58-120
4-Nitrophenol, Solid	10.11		10.000000	ND	101.1	%	56-120
Phenol, Solid	7.94		10.000000	ND	79.4	%	60-120

MSD	Matrix Spike Duplicate	OXL40922	226936-1	10.00	10/05/2004	0414
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits
Acenaphthene, Solid	10.38	10.09	10.000000	ND	103.8	%	62-120
Anthracene, Solid	9.91	9.74	10.000000	1.27	86.4	%	64-120
Benzo(a)anthracene (1,2-Benzanthracene),	11.82	11.00	10.000000	2.02	98.0	%	66-120
Benzo(b)fluoranthene, Solid	8.99	8.17	10.000000	0.93	80.6	%	67-120
Benzo(k)fluoranthene, Solid	7.56	8.88	10.000000	ND	75.6	%	61-120
Benzo(a)pyrene, Solid	8.60	8.15	10.000000	0.90	77.0	%	65-120
Bis(2-ethylhexyl)phthalate, Solid	11.96	11.64	10.000000	1.67	102.9	%	61-120
Chrysene, Solid	13.67	11.97	10.000000	3.79	98.8	%	66-120
Dibenz(a,h)acridine, Solid	7.93	8.43	10.000000	ND	79.3	%	48-120
Dibenzo(ah)anthracene, Solid	8.01	8.04	10.000000	0.40	76.1	%	41-120
1,2-Dichlorobenzene, Solid	6.84	6.93	10.000000	ND	68.4	%	53-120
1,3-Dichlorobenzene, Solid	6.57	7.18	10.000000	ND	65.7	%	51-120
1,4-Dichlorobenzene, Solid	6.51	7.12	10.000000	ND	65.1	%	52-120
Diethyl phthalate, Solid	8.02	8.34	10.000000	ND	80.2	%	61-120
					3.9	R	30

Page 24 * %=% REC, R=RPD, A=ABS Diff., D=% Diff.

QUALITY CONTROL RESULTS

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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MSD	Matrix Spike Duplicate	OXL40922	226936-1	10.00	10/05/2004	0414
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits
Dimethyl phthalate, Solid	7.88	8.42	10.000000	ND	78.8	%	61-120
Di-n-butyl phthalate, Solid	8.00	8.50	10.000000	ND	80.0	%	61-120
Fluoranthene, Solid	9.74	9.45	10.000000	1.77	79.7	%	62-120
Fluorene, Solid	14.89	13.28	10.000000	4.41	104.8	%	64-120
Indene, Solid	7.60	7.58	10.000000	0.21	73.9	%	41-120
Indeno(123cd)pyrene, Solid	7.96	7.99	10.000000	ND	79.6	%	38-120
1-Methylnaphthalene, Solid	10.19	9.47	10.000000	1.33	88.6	%	60-140
Naphthalene, Solid	8.78	8.57	10.000000	0.64	81.4	%	54-120
Phenanthrene, Solid	25.27	19.28	10.000000	12.98	122.9	%	65-120
Pyrene, Solid	16.67	14.24	10.000000	5.30	113.7	%	65-120
Pyridine, Solid	3.33	4.09	10.000000	ND	33.3	%	25-120
Quinoline (Benz[b]pyridine), Solid	8.23	8.79	10.000000	ND	82.3	%	29-120
2,4-Dimethylphenol, Solid	9.65	10.53	10.000000	ND	96.5	%	65-120
2,4-Dinitrophenol, Solid	1.02	1.22	10.000000	ND	10.2	%	51-120
2-Methylphenol (o-cresol), Solid	7.98	8.32	10.000000	ND	79.8	%	59-120
3 & 4 Methylphenol (m&p cresol), Solid	15.99	16.88	20.000000	ND	80.0	%	58-120
4-Nitrophenol, Solid	10.27	10.11	10.000000	ND	102.7	%	56-120
Phenol, Solid	7.49	7.94	10.000000	ND	74.9	%	60-120
					5.8	R	30

SB	Spiked Blank	OXL40922			10/05/2004	0200
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits
Acenaphthene, Solid	81.76		100		81.8	%	62-120
Anthracene, Solid	81.76		100		81.8	%	64-120
Benz(a)anthracene (1,2-Benzanthracene),	94.56		100		94.6	%	66-120
Benz(b)fluoranthene, Solid	93.61		100		93.6	%	67-120
Benz(k)fluoranthene, Solid	78.01		100		78.0	%	61-120
Benz(a)pyrene, Solid	81.91		100		81.9	%	65-120
Bis(2-ethylhexyl)phthalate, Solid	102.06		100		102.1	%	61-120
Chrysene, Solid	93.14		100		93.1	%	66-120
Dibenz(a,h)acridine, Solid	85.84		100.0		85.8	%	48-120
Dibenzo(ah)anthracene, Solid	84.28		100		84.3	%	41-120
1,2-Dichlorobenzene, Solid	60.65		100		60.6	%	53-120
1,3-Dichlorobenzene, Solid	57.90		100		57.9	%	51-120

QUALITY CONTROL RESULTS

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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SB	Spiked Blank	DXL40922			10/05/2004	0200
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits
1,4-Dichlorobenzene, Solid	60.39		100		60.4	% 52-120
Diethyl phthalate, Solid	86.32		100		86.3	% 61-120
Dimethyl phthalate, Solid	83.48		100		83.5	% 61-120
Di-n-butyl phthalate, Solid	82.40		100		82.4	% 61-120
Fluoranthene, Solid	80.20		100		80.2	% 62-120
Fluorene, Solid	84.08		100		84.1	% 64-120
Indene, Solid	64.37		100.0		64.4	% 41-120
Indeno(123cd)pyrene, Solid	83.81		100		83.8	% 38-120
1-Methylnaphthalene, Solid	73.19		100.0		73.2	% 60-140
Naphthalene, Solid	70.17		100		70.2	% 54-120
Phenanthrene, Solid	79.93		100		79.9	% 65-120
Pyrene, Solid	99.66		100		99.7	% 65-120
Pyridine, Solid	36.90		100		36.9	% 25-120
Quinoline (Benz[b]pyridine), Solid	86.22		100.0		86.2	% 29-120
2,4-Dimethylphenol, Solid	97.72		100		97.7	% 65-120
2,4-Dinitrophenol, Solid	70.27		100		70.3	% 51-120
2-Methylphenol (o-cresol), Solid	81.01		100		81.0	% 59-120
3 & 4 Methylphenol (m&p cresol), Solid	156.92		200		78.5	% 58-120
4-Nitrophenol, Solid	90.53		100		90.5	% 56-120
Phenol, Solid	75.62		100		75.6	% 60-120

Test Method.....: SW-846 B2608

Method Description.: Volatile Organics

Units.....: ug/L

Batch.....: 98865

Analyst...: krm

LCS	Laboratory Control Sample	V40927D			10/04/2004	1038
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits
Acetone, Solid	59.78		40.000000		149.4	% 50-150
Acetonitrile, Solid	370.53		400.000000		92.6	% 67-136
Acrolein, Solid	429.89		400.000000		107.5	% 32-133
Acrylonitrile, Solid	378.21		400.000000		94.6	% 75-125
Benzene, Solid	38.46		40.000000		96.2	% 80-120
Bromodichloromethane, Solid	38.10		40.000000		95.2	% 80-120
Bromoform (Tribromomethane), Solid	34.09		40.000000		85.2	% 65-127
Bromomethane (methyl bromide), Solid	41.09		40.000000		102.7	% 42-150
Carbon Disulfide, Solid	38.55		40.000000		96.4	% 50-150
Carbon Tetrachloride, Solid	36.98		40.000000		92.5	% 75-124
Chlorobenzene, Solid	39.66		40.000000		99.2	% 80-120
Chloroethane (Ethyl chloride), Solid	43.74		40.000000		109.3	% 74-137
2-Chloroethylvinyl Ether, Solid	30.93		40.000000		77.3	% 10-150
Chloroform, Solid	39.75		40.000000		99.4	% 80-122
Chloromethane (methyl chloride), Solid	40.95		40.000000		102.4	% 65-135
Dibromochloromethane, Solid	36.39		40.000000		91.0	% 76-124
Dibromomethane, Solid	38.82		40.000000		97.0	% 80-120
1,2-Dibromoethane (EDB), Solid	38.83		40.000000		97.1	% 80-121
Dichlorodifluoromethane, Solid	44.32		40.000000		110.8	% 57-127
1,1-Dichloroethane, Solid	38.97		40.000000		97.4	% 80-123
1,2-Dichloroethane (EDC), Solid	37.77		40.000000		94.4	% 80-123
1,1-Dichloroethene (Vinylidene chloride)	37.12		40.000000		92.8	% 77-123
cis-1,2-Dichloroethene, Solid	39.59		40.000000		99.0	% 80-122
trans-1,2-Dichloroethene, Solid	38.10		40.000000		95.2	% 79-123



STL

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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LCS	Laboratory Control Sample	V40927D				10/04/2004	1038
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits
1,2-Dichloropropane, Solid	38.58		40.000000		96.5	%	80-120
1,3-Dichloropropane, Solid	39.18		40.000000		98.0	%	80-120
2,2-Dichloropropane, Solid	45.98		40.000000		115.0	%	73-136
1,1-Dichloropropene, Solid	39.60		40.000000		99.0	%	76-120
cis-1,3-Dichloropropene, Solid	37.06		40.000000		92.7	%	80-120
trans-1,3-Dichloropropene, Solid	36.79		40.000000		92.0	%	78-121
1,4-Dioxane, Solid	728.56		800.000000		91.1	%	71-132
Ethyl Acetate, Solid	33.27		40.000000		83.2	%	74-127
Ethylbenzene, Solid	39.22		40.000000		98.0	%	80-120
Ethyl Ether (Diethyl Ether), Solid	43.75		40.000000		109.4	%	76-128
Ethyl Methacrylate, Solid	39.11		40.000000		97.8	%	69-130
2-Hexanone, Solid	39.28		40.000000		98.2	%	69-125
Iodomethane (Methyl Iodide), Solid	48.14		40.000000		120.3	%	19-150
Methylene Chloride (Dichloromethane), So	38.59		40.000000		96.5	%	65-135
Methyl Ethyl Ketone (2-Butanone), Solid	41.79		40.000000		104.5	%	72-129
4-Methyl-2-Pentanone (MIBK), Solid	35.61		40.000000		89.0	%	69-133
Methyl Methacrylate, Solid	37.53		40.000000		93.8	%	79-120
tert-Butyl Methyl Ether (MTBE), Solid	39.58		40.000000		99.0	%	80-123
2-Nitropropane, Solid	29.33		40.000000		73.3	%	40-150
Styrene, Solid	39.71		40.000000		99.3	%	80-122
1,1,2,2-Tetrachloroethane, Solid	37.18		40.000000		93.0	%	80-120
Tetrachloroethene, Solid	38.06		40.000000		95.2	%	71-120
Toluene, Solid	39.25		40.000000		98.1	%	79-121
1,2,3-Trichlorobenzene, Solid	31.61		40.000000		79.0	%	69-130
1,1,1-Trichloroethane, Solid	39.38		40.000000		98.5	%	80-123
1,1,2-Trichloroethane, Solid	38.96		40.000000		97.4	%	80-122
Trichloroethene, Solid	38.98		40.000000		97.5	%	80-120
Trichlorofluoromethane, Solid	42.23		40.000000		105.6	%	70-133
1,1,2-Trichloro-1,2,2-Trifluoroethane, S	35.79		40.000000		89.5	%	66-120
1,2,4-Trimethylbenzene, Solid	39.02		40.000000		97.5	%	80-120
1,3,5-Trimethylbenzene, Solid	39.84		40.000000		99.6	%	80-120
1,2,3-Trichloropropane, Solid	36.52		40.000000		91.3	%	80-122
Vinyl Acetate, Solid	45.98		40.000000		115.0	%	50-150
Vinyl Chloride (Chloroethene), Solid	44.22		40.000000		110.5	%	74-130
Xylenes (total), Solid	119.57		120.000000		99.6	%	80-120

MB	Method Blank	10042004				10/04/2004	1138
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits
Acetone, Solid	3.70						
Acetonitrile, Solid	ND						
Acrolein, Solid	ND						
Acrylonitrile, Solid	ND						
Benzene, Solid	ND						
Bromodichloromethane, Solid	ND						
Bromoform (Tribromomethane), Solid	ND						
Bromomethane (methyl bromide), Solid	1.12						
Carbon Disulfide, Solid	ND						
Carbon Tetrachloride, Solid	ND						
Chlorobenzene, Solid	ND						
Chloroethane (Ethyl chloride), Solid	ND						
2-Chloroethylvinyl Ether, Solid	ND						

QUALITY CONTROL RESULTS

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MB	Method Blank	10042004			10/04/2004	1138

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits
Chloroform, Solid	ND					
Chloromethane (methyl chloride), Solid	ND					
Dibromochloromethane, Solid	ND					
Dibromomethane, Solid	ND					
1,2-Dibromoethane (EDB), Solid	ND					
Dichlorodifluoromethane, Solid	ND					
1,1-Dichloroethane, Solid	ND					
1,2-Dichloroethane (EDC), Solid	ND					
1,1-Dichloroethene (Vinylidene chloride)	ND					
cis-1,2-Dichloroethene, Solid	ND					
trans-1,2-Dichloroethene, Solid	ND					
1,2-Dichloropropane, Solid	ND					
1,3-Dichloropropane, Solid	ND					
2,2-Dichloropropane, Solid	ND					
1,1-Dichloropropene, Solid	ND					
cis-1,3-Dichloropropene, Solid	ND					
trans-1,3-Dichloropropene, Solid	ND					
1,4-Dioxane, Solid	ND					
Ethyl Acetate, Solid	ND					
Ethylbenzene, Solid	ND					
Ethyl Ether (Diethyl Ether), Solid	ND					
Ethyl Methacrylate, Solid	ND					
2-Hexanone, Solid	ND					
Iodomethane (Methyl Iodide), Solid	ND					
Methylene Chloride (Dichloromethane), So	1.20					
Methyl Ethyl Ketone (2-Butanone), Solid	ND					
4-Methyl-2-Pentanone (MIBK), Solid	ND					
Methyl Methacrylate, Solid	ND					
tert-Butyl Methyl Ether (MTBE), Solid	ND					
2-Nitropropane, Solid	ND					
Styrene, Solid	ND					
1,1,2,2-Tetrachloroethane, Solid	ND					
Tetrachloroethene, Solid	ND					
Toluene, Solid	ND					
1,2,3-Trichlorobenzene, Solid	ND					
1,1,1-Trichloroethane, Solid	ND					
1,1,2-Trichloroethane, Solid	ND					
Trichloroethene, Solid	ND					
Trichlorofluoromethane, Solid	ND					
1,1,2-Trichloro-1,2,2-Trifluoroethane, S	ND					
1,2,4-Trimethylbenzene, Solid	ND					
1,3,5-Trimethylbenzene, Solid	ND					
1,2,3-Trichloropropane, Solid	ND					
Vinyl Acetate, Solid	ND					
Vinyl Chloride (Chloroethene), Solid	ND					
Xylenes (total), Solid	ND					



STL

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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MS	Matrix Spike	V40928A	226936-4	0.98	10/04/2004	1630
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits
Benzene, Solid	46.06		50.000000	ND	92.1	%	80-120
Chlorobenzene, Solid	46.04		50.000000	ND	92.1	%	80-120
1,1-Dichloroethene (Vinylidene chloride)	44.39		50.000000	ND	88.8	%	77-123
Toluene, Solid	48.91		50.000000	3.95	89.9	%	79-121
Trichloroethene, Solid	45.08		50.000000	ND	90.2	%	80-120

MSD	Matrix Spike Duplicate	V40928A	226936-4	0.99	10/04/2004	1659
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits
Benzene, Solid	46.39	46.06	50.000000	ND	92.8	%	80-120
Chlorobenzene, Solid	45.63	46.04	50.000000	ND	91.3	%	80-120
1,1-Dichloroethene (Vinylidene chloride)	34.91	44.39	50.000000	ND	69.8	%	77-123
Toluene, Solid	48.60	48.91	50.000000	3.95	89.3	%	79-121
Trichloroethene, Solid	44.62	45.08	50.000000	ND	89.2	%	80-120
					1.0	R	30

Test Method.....: SW-846 8260B

Method Description.: Volatile Organics

Units.....: ug/L

Batch.....: 98997

Analyst...: krm

LCS	Laboratory Control Sample	V40923B			10/04/2004	0944
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits
Acetone, Solid	52.33		50.000000		104.7	%	50-130
Acetonitrile, Solid	398.81		500.000000		79.8	%	60-140
Acrolein, Solid	494.55		500.000000		98.9	%	40-130
Acrylonitrile, Solid	529.21		500.000000		105.8	%	70-130
Benzene, Solid	47.70		50.000000		95.4	%	70-130
Bromobenzene, Solid	49.00		50.000000		98.0	%	70-130
Bromoform (Tribromomethane), Solid	51.47		50.000000		102.9	%	70-130
Bromodichloromethane, Solid	51.11		50.000000		102.2	%	70-130
Bromoform (Tribromomethane), Solid	44.56		50.000000		89.1	%	60-130
Bromomethane (methyl bromide), Solid	28.01		50.000000		56.0	%	10-150
n-Butylbenzene, Solid	51.37		50.000000		102.7	%	70-130
sec-Butylbenzene, Solid	49.26		50.000000		98.5	%	70-130
tert-Butylbenzene, Solid	51.66		50.000000		103.3	%	70-130
Carbon Disulfide, Solid	45.36		50.000000		90.7	%	60-140
Carbon Tetrachloride, Solid	46.41		50.000000		92.8	%	70-130
Chlorobenzene, Solid	49.31		50.000000		98.6	%	70-130
Chloroethane (Ethyl chloride), Solid	23.16		50.000000		46.3	%	10-150
2-Chloroethylvinyl Ether, Solid	50.98		50.000000		102.0	%	10-150
Chloroform, Solid	49.65		50.000000		99.3	%	70-130
1-Chlorohexane, Solid	49.28		50.000000		98.6	%	70-130
Chloromethane (methyl chloride), Solid	52.75		50.000000		105.5	%	60-140
2-Chlorotoluene, Solid	50.50		50.000000		101.0	%	70-130
4-Chlorotoluene, Solid	50.75		50.000000		101.5	%	70-130

Job Number.: 226936

QUALITY CONTROL RESULTS

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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LCS	Laboratory Control Sample	V40923B				10/04/2004 0944
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits
Dibromochloromethane, Solid	47.67		50.000000		95.3	%	70-130
Dibromomethane, Solid	47.41		50.000000		94.8	%	70-130
1,2-Dibromoethane (EDB), Solid	51.07		50.000000		102.1	%	70-130
1,2-Dibromo-3-Chloropropane, Solid	35.33		50.000000		70.7	%	60-140
Dichlorodifluoromethane, Solid	30.81		50.000000		61.6	%	30-130
1,2-Dichlorobenzene, Solid	49.37		50.000000		98.7	%	70-130
1,3-Dichlorobenzene, Solid	48.93		50.000000		97.9	%	70-130
1,4-Dichlorobenzene, Solid	48.07		50.000000		96.1	%	70-130
1,1-Dichloroethane, Solid	49.37		50.000000		98.7	%	70-130
1,2-Dichloroethane (EDC), Solid	50.10		50.000000		100.2	%	70-130
1,1-Dichloroethene (Vinylidene chloride)	46.24		50.000000		92.5	%	70-130
cis-1,2-Dichloroethene, Solid	50.83		50.000000		101.7	%	70-130
trans-1,2-Dichloroethene, Solid	49.28		50.000000		98.6	%	70-130
1,2-Dichloropropane, Solid	49.23		50.000000		98.5	%	70-130
1,3-Dichloropropane, Solid	50.10		50.000000		100.2	%	70-130
2,2-Dichloropropane, Solid	54.44		50.000000		108.9	%	70-130
1,1-Dichloropropene, Solid	46.97		50.000000		93.9	%	70-130
cis-1,3-Dichloropropene, Solid	49.10		50.000000		98.2	%	70-130
trans-1,3-Dichloropropene, Solid	46.55		50.000000		93.1	%	70-130
1,4-Dioxane, Solid	1181.04		1000.000000		118.1	%	60-140
Ethyl Acetate, Solid	46.10		50.000000		92.2	%	70-130
Ethylbenzene, Solid	50.67		50.000000		101.3	%	70-130
Ethyl Ether (Diethyl Ether), Solid	47.75		50.000000		95.5	%	60-130
Ethyl Methacrylate, Solid	46.76		50.000000		93.5	%	70-130
Hexachlorobutadiene, Solid	49.58		50.000000		99.2	%	70-130
2-Hexanone, Solid	46.55		50.000000		93.1	%	60-140
Iodomethane (Methyl Iodide), Solid	49.58		50.000000		99.2	%	40-140
Isopropylbenzene (Cumene), Solid	52.47		50.000000		104.9	%	70-130
p-Isopropyltoluene (Cymene), Solid	51.16		50.000000		102.3	%	70-130
Methylene Chloride (Dichloromethane), So	51.94		50.000000		103.9	%	70-130
Methyl Ethyl Ketone (2-Butanone), Solid	47.50		50.000000		95.0	%	70-130
4-Methyl-2-Pentanone (MIBK), Solid	48.65		50.000000		97.3	%	70-130
Methyl Methacrylate, Solid	46.48		50.000000		93.0	%	70-130
tert-Butyl Methyl Ether (MTBE), Solid	55.61		50.000000		111.2	%	70-130
Naphthalene, Solid	42.33		50.000000		84.7	%	50-130
2-Nitropropane, Solid	43.63		50.000000		87.3	%	50-150
n-Propylbenzene, Solid	50.51		50.000000		101.0	%	70-130
Styrene, Solid	47.67		50.000000		95.3	%	70-130
1,1,1,2-Tetrachloroethane, Solid	53.28		50.000000		106.6	%	70-130
1,1,2,2-Tetrachloroethane, Solid	50.20		50.000000		100.4	%	70-130
Tetrachloroethene, Solid	46.57		50.000000		93.1	%	70-130
Toluene, Solid	48.21		50.000000		96.4	%	70-130
1,2,3-Trichlorobenzene, Solid	45.05		50.000000		90.1	%	70-130
1,2,4-Trichlorobenzene, Solid	46.80		50.000000		93.6	%	70-130
1,1,1-Trichloroethane, Solid	48.90		50.000000		97.8	%	70-130
1,1,2-Trichloroethane, Solid	50.58		50.000000		101.2	%	70-130
Trichloroethene, Solid	46.34		50.000000		92.7	%	70-130
Trichlorofluoromethane, Solid	24.37		50.000000		48.7	%	45-130
1,1,2-Trichloro-1,2,2-Trifluoroethane, S	38.41		50.000000		76.8	%	50-130
1,2,4-Trimethylbenzene, Solid	51.10		50.000000		102.2	%	70-130
1,3,5-Trimethylbenzene, Solid	52.14		50.000000		104.3	%	70-130
1,2,3-Trichloropropane, Solid	48.03		50.000000		96.1	%	70-130
Vinyl Acetate, Solid	62.85		50.000000		125.7	%	60-150
Vinyl Chloride (Chloroethene), Solid	50.74		50.000000		101.5	%	60-140

QUALITY CONTROL RESULTS

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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LCS	Laboratory Control Sample	V40923B			10/04/2004	0944
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits
o-Xylene, Solid	51.84		50.000000		103.7	%	70-130
m&p-Xylenes, Solid	105.14		100.000000		105.1	%	70-130
Xylenes (total), Solid	156.98		150.000000		104.7	%	70-130

MB	Method Blank	10042004		100.00	10/04/2004	1038
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits
Benzene, Solid	ND						
Carbon Disulfide, Solid	ND						
Chlorobenzene, Solid	ND						
Chloroform, Solid	ND						
1,2-Dibromoethane (EDB), Solid	ND						
1,1-Oichloroethane, Solid	ND						
1,2-Dichloroethane (EDC), Solid	ND						
1,1-Dichloroethene (Vinylidene chloride)	ND						
1,4-Dioxane, Solid	ND						
Ethylbenzene, Solid	ND						
Methyl Ethyl Ketone (2-Butanone), Solid	1.76						
Styrene, Solid	ND						
Tetrachloroethene, Solid	ND						
Toluene, Solid	ND						
1,1,1-Trichloroethane, Solid	ND						
Trichloroethene, Solid	ND						
Xylenes (total), Solid	ND						

MS	Matrix Spike	V30715A	226945-1	100.00	10/04/2004	1344
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits
Benzene, Solid	51.04		50.000000	2.39	97.3	%	70-130
Chlorobenzene, Solid	51.41		50.000000	ND	102.8	%	70-130
1,1-Dichloroethene (Vinylidene chloride)	50.47		50.000000	ND	100.9	%	70-130
Toluene, Solid	49.40		50.000000	1.61	95.6	%	70-130
Trichloroethene, Solid	47.33		50.000000	ND	94.7	%	70-130

MSD	Matrix Spike Duplicate	V30715A	226945-1	100.00	10/04/2004	1410
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	*	Limits
Benzene, Solid	53.26	51.04	50.000000	2.39	101.7	%	70-130
					4.3	R	30
Chlorobenzene, Solid	53.35	51.41	50.000000	ND	106.7	%	70-130
					3.7	R	30
1,1-Dichloroethene (Vinylidene chloride)	52.14	50.47	50.000000	ND	104.3	%	70-130
					3.3	R	30
Toluene, Solid	51.63	49.40	50.000000	1.61	100.0	%	70-130
					4.4	R	30
Trichloroethene, Solid	48.81	47.33	50.000000	ND	97.6	%	70-130
					3.1	R	30

QUALITY CONTROL RESULTS

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: TCEQ TX1005

Method Description.: Total Petroleum Hydrocarbons

Units.....: mg/L

Batch.....: 99173

Analyst...: qcp

LCD	Laboratory Control Sample Duplicate	TE40916A				10/12/2004 1524
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits
TPH (C6 to C35), Solid	216	212	250.000000		86.4 1.9	% 55-136 R 20

LCS	Laboratory Control Sample	TE40916A				10/12/2004 1512
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits
TPH (C6 to C35), Solid	212		250.000000		84.8	% 55-136

MB	Method Blank	10122004				10/12/2004 1500
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits
Petroleum Hydrocarbons (C6 to C12), Soli	ND					
Petroleum Hydrocarbons (>C12 to C28), So	ND					
Petroleum Hydrocarbons (>C28 to C35), So	ND					
TPH (C6 to C35), Solid	ND					

MS	Matrix Spike	TE40916A	226936-1	20.0		10/12/2004 1547
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits
TPH (C6 to C35), Solid	351		250.000000	253	39.2	% 55-136

MSD	Matrix Spike Duplicate	TE40916A	226936-1	20.0		10/12/2004 1559
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits
TPH (C6 to C35), Solid	312	351	250.000000	253	23.6 11.8	% 55-136 R 20

SURROGATE RECOVERIES REPORT

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Method.....: Volatile Organics
Batch.....: 98865Method Code.....: 8260CC
Analyst.....: krm Equipment Code: VOC GC/MS #4

Surrogate	Units
1,2-Dichloroethane-d4	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
226936-1	Solid	LCS	1.00	45.79	50.00000	91.6	61-134		10/04/2004	1038
	Solid	MB	1.00	50.37	50.00000	100.7	61-134		10/04/2004	1138
	Solid		4.72	48.25	50.00000	96.5	61-134		10/04/2004	1306
	Solid		0.98	46.88	50.00000	93.8	61-134		10/04/2004	1433
	Solid		1.98	45.48	50.00000	91.0	61-134		10/04/2004	1502
	Solid	MS	0.98	46.59	50.00000	93.2	61-134		10/04/2004	1630
226936-4	Solid	MSD	0.99	46.71	50.00000	93.4	61-134		10/04/2004	1659

Surrogate	Units
4-Bromofluorobenzene	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
226936-1	Solid	LCS	1.00	45.97	50.00000	91.9	42-132		10/04/2004	1038
	Solid	MB	1.00	53.21	50.00000	106.4	42-132		10/04/2004	1138
	Solid		4.72	46.90	50.00000	93.8	42-132		10/04/2004	1306
	Solid		0.98	45.45	50.00000	90.9	42-132		10/04/2004	1433
	Solid		1.98	37.01	50.00000	74.0	42-132		10/04/2004	1502
	Solid	MS	0.98	45.63	50.00000	91.3	42-132		10/04/2004	1630
226936-4	Solid	MSD	0.99	45.34	50.00000	90.7	42-132		10/04/2004	1659

Surrogate	Units
Dibromofluoromethane	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
226936-1	Solid	LCS	1.00	46.63	50.00000	93.3	67-129		10/04/2004	1038
	Solid	MB	1.00	49.28	50.00000	98.6	67-129		10/04/2004	1138
	Solid		4.72	49.67	50.00000	99.3	67-129		10/04/2004	1306
	Solid		0.98	45.82	50.00000	91.6	67-129		10/04/2004	1433
	Solid		1.98	46.87	50.00000	93.7	67-129		10/04/2004	1502
	Solid	MS	0.98	45.33	50.00000	90.7	67-129		10/04/2004	1630
226936-4	Solid	MSD	0.99	46.48	50.00000	93.0	67-129		10/04/2004	1659



STL

Job Number.: 226936

S U R R O G A T E R E C O V E R I E S R E P O R T

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Surrogate	Units
Toluene-d8	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
226936-1	Solid	LCS	1.00	45.49	50.00000	91.0	64-130		10/04/2004	1038
	Solid	MB	1.00	50.61	50.00000	101.2	64-130		10/04/2004	1138
	Solid		4.72	50.23	50.00000	100.5	64-130		10/04/2004	1306
	Solid		0.98	46.62	50.00000	93.2	64-130		10/04/2004	1433
	Solid		1.98	44.58	50.00000	89.2	64-130		10/04/2004	1502
	Solid	MS	0.98	45.56	50.00000	91.1	64-130		10/04/2004	1630
226936-4	Solid	MSD	0.99	45.69	50.00000	91.4	64-130		10/04/2004	1659

Method.....: Semivolatile Organics (Client List)
Batch.....: 98876Method Code.....: 8270C
Analyst.....: gef

Equipment Code: SVOC GC/MS #2

Surrogate	Units
2,4,6-Tribromophenol	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
226936-4	Solid	MB	1.00	101.29	150	68	56-139		10/05/2004	0133
	Solid	SB	1.00	111.53	150	74	56-139		10/05/2004	0200
	Solid		1.00	107.14	150	71	56-139		10/05/2004	0226
	Solid		10.00	10.83	150	72	56-139		10/05/2004	0320
	Solid	MS	10.00	11.29	150	75	56-139		10/05/2004	0347
	Solid	MSD	10.00	10.79	150	72	56-139		10/05/2004	0414
226936-1	Solid		30.00	3.74	150	75	56-139		10/05/2004	0441
226936-3	Solid		30.00	3.43	150	69	56-139		10/05/2004	0508
226936-5	Solid		150.00	0.61	150	61	56-139		10/05/2004	0535
226936-6	Solid		60.00	1.72	150	69	56-139		10/05/2004	0601

Surrogate	Units
2-Fluorobiphenyl	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
226936-4	Solid	MB	1.00	67.23	100	67	39-135		10/05/2004	0133
	Solid	SB	1.00	70.19	100	70	39-135		10/05/2004	0200
	Solid		1.00	66.72	100	67	39-135		10/05/2004	0226
	Solid		10.00	8.20	100	82	39-135		10/05/2004	0320
	Solid	MS	10.00	8.08	100	81	39-135		10/05/2004	0347
	Solid	MSD	10.00	7.87	100	79	39-135		10/05/2004	0414
226936-2	Solid		30.00	2.80	100	84	39-135		10/05/2004	0441
226936-3	Solid		30.00	2.54	100	76	39-135		10/05/2004	0508
226936-5	Solid		150.00	0.48	100	72	39-135		10/05/2004	0535
226936-6	Solid		60.00	1.35	100	81	39-135		10/05/2004	0601



STL

SURROGATE RECOVERIES REPORT

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Surrogate	Units
	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
226936-4	Solid	MB	1.00	105.03	150	70	35-131		10/05/2004	0133
	Solid	SB	1.00	107.87	150	72	35-131		10/05/2004	0200
	Solid		1.00	107.00	150	71	35-131		10/05/2004	0226
	Solid		10.00	10.78	150	72	35-131		10/05/2004	0320
	Solid	MS	10.00	10.99	150	73	35-131		10/05/2004	0347
	Solid	MSD	10.00	10.24	150	68	35-131		10/05/2004	0414
226936-2	Solid		30.00	3.52	150	70	35-131		10/05/2004	0441
226936-3	Solid		30.00	2.79	150	56	35-131		10/05/2004	0508
226936-5	Solid		150.00	0.75	150	75	35-131		10/05/2004	0535
226936-6	Solid		60.00	1.75	150	70	35-131		10/05/2004	0601

Surrogate	Units
	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
226936-4	Solid	MB	1.00	61.40	100	61	37-133		10/05/2004	0133
	Solid	SB	1.00	64.18	100	64	37-133		10/05/2004	0200
	Solid		1.00	62.75	100	63	37-133		10/05/2004	0226
	Solid		10.00	6.73	100	67	37-133		10/05/2004	0320
	Solid	MS	10.00	6.85	100	68	37-133		10/05/2004	0347
	Solid	MSD	10.00	6.82	100	68	37-133		10/05/2004	0414
226936-2	Solid		30.00	2.31	100	69	37-133		10/05/2004	0441
226936-3	Solid		30.00	2.30	100	69	37-133		10/05/2004	0508
226936-5	Solid		150.00	0.58	100	87	37-133		10/05/2004	0535
226936-6	Solid		60.00	1.26	100	76	37-133		10/05/2004	0601

Surrogate	Units
	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
226936-4	Solid	MB	1.00	110.43	150	74	40-136		10/05/2004	0133
	Solid	SB	1.00	112.75	150	75	40-136		10/05/2004	0200
	Solid		1.00	108.96	150	73	40-136		10/05/2004	0226
	Solid		10.00	11.27	150	75	40-136		10/05/2004	0320
	Solid	MS	10.00	11.79	150	79	40-136		10/05/2004	0347
	Solid	MSD	10.00	11.06	150	74	40-136		10/05/2004	0414
226936-2	Solid		30.00	3.86	150	77	40-136		10/05/2004	0441
226936-3	Solid		30.00	3.26	150	65	40-136		10/05/2004	0508
226936-5	Solid		150.00	0.76	150	76	40-136		10/05/2004	0535
226936-6	Solid		60.00	1.91	150	76	40-136		10/05/2004	0601

S U R R O G A T E R E C O V E R I E S R E P O R T

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Surrogate	Units
Terphenyl-d14	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
	Solid	MB	1.00	93.46	100	93	60-135		10/05/2004	0133
	Solid	SB	1.00	91.91	100	92	60-135		10/05/2004	0200
226936-4	Solid		1.00	88.20	100	88	60-135		10/05/2004	0226
226936-1	Solid		10.00	9.07	100	91	60-135		10/05/2004	0320
226936-1	Solid	MS	10.00	9.31	100	93	60-135		10/05/2004	0347
226936-1	Solid	MSD	10.00	9.04	100	90	60-135		10/05/2004	0414
226936-2	Solid		30.00	3.34	100	100	60-135		10/05/2004	0441
226936-3	Solid		30.00	2.70	100	81	60-135		10/05/2004	0508
226936-5	Solid		150.00	0.75	100	112	60-135		10/05/2004	0535
226936-6	Solid		60.00	1.59	100	95	60-135		10/05/2004	0601

Method.....: Volatile Organics
Batch.....: 98997Method Code.....: 8260ME
Analyst.....: krm

Equipment Code: VOC GC/MS #6

Surrogate	Units
1,2-Dichloroethane-d4	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
	Solid	LCS	1.00	51.08	50.00000	102.2	74-120		10/04/2004	0944
	Solid	MB	100.00	54.43	50.00000	108.9	74-120		10/04/2004	1038
226936-5	Solid		1.00	48.12	50.00000	96.2	74-120		10/04/2004	1131
226936-2	Solid		1.00	44.58	50.00000	89.2	74-120		10/04/2004	1251
226936-3	Solid		1.00	45.74	50.00000	91.5	74-120		10/04/2004	1317
226945-1	Solid	MS	100.00	45.72	50.00000	91.4	74-120		10/04/2004	1344
226945-1	Solid	MSD	100.00	44.17	50.00000	88.3	74-120		10/04/2004	1410
226936-6	Solid		1.00	48.46	50.00000	96.9	74-120		10/04/2004	1457

Surrogate	Units
4-Bromofluorobenzene	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
	Solid	LCS	1.00	49.55	50.00000	99.1	76-120		10/04/2004	0944
	Solid	MB	100.00	50.01	50.00000	100.0	76-120		10/04/2004	1038
226936-5	Solid		1.00	43.60	50.00000	87.2	76-120		10/04/2004	1131
226936-2	Solid		1.00	42.95	50.00000	85.9	76-120		10/04/2004	1251
226936-3	Solid		1.00	46.22	50.00000	92.4	76-120		10/04/2004	1317
226945-1	Solid	MS	100.00	47.55	50.00000	95.1	76-120		10/04/2004	1344
226945-1	Solid	MSD	100.00	44.60	50.00000	89.2	76-120		10/04/2004	1410
226936-6	Solid		1.00	48.70	50.00000	97.4	76-120		10/04/2004	1457

Job Number.: 226936

SURROGATE RECOVERIES REPORT

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Surrogate	Units
Dibromofluoromethane	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
226936-5	Solid	LCS	1.00	49.97	50.00000	99.9	71-120		10/04/2004	0944
	Solid	MB	100.00	51.27	50.00000	102.5	71-120		10/04/2004	1038
	Solid		1.00	43.88	50.00000	87.8	71-120		10/04/2004	1131
	Solid		1.00	43.90	50.00000	87.8	71-120		10/04/2004	1251
	Solid		1.00	45.52	50.00000	91.0	71-120		10/04/2004	1317
	Solid	MS	100.00	46.09	50.00000	92.2	71-120		10/04/2004	1344
226945-1	Solid	MSD	100.00	43.25	50.00000	86.5	71-120		10/04/2004	1410
226936-6	Solid		1.00	49.64	50.00000	99.3	71-120		10/04/2004	1457

Surrogate	Units
Toluene-d8	ug/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
226936-5	Solid	LCS	1.00	47.20	50.00000	94.4	77-120		10/04/2004	0944
	Solid	MB	100.00	51.68	50.00000	103.4	77-120		10/04/2004	1038
	Solid		1.00	42.98	50.00000	86.0	77-120		10/04/2004	1131
	Solid		1.00	43.27	50.00000	86.5	77-120		10/04/2004	1251
	Solid		1.00	47.87	50.00000	95.7	77-120		10/04/2004	1317
	Solid	MS	100.00	48.52	50.00000	97.0	77-120		10/04/2004	1344
226945-1	Solid	MSD	100.00	46.19	50.00000	92.4	77-120		10/04/2004	1410
226936-6	Solid		1.00	49.72	50.00000	99.4	77-120		10/04/2004	1457

Method.....: Total Petroleum Hydrocarbons	Method Code.....: TX1005
Batch.....: 99173	Analyst.....: qcp

Equipment Code: TPH #1

Surrogate	Units
Nitrobenzene-d5	mg/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
226936-1	Solid	MB		85.2	100	85	23-130		10/12/2004	1500
	Solid	LCS		85.3	100	85	23-130		10/12/2004	1512
	Solid	LCD		89.3	100	89	23-130		10/12/2004	1524
	Solid		20.0	3.42	100	68	23-130		10/12/2004	1536
	Solid	MS	20.0	3.01	100	60	23-130		10/12/2004	1547
	Solid	MSD	20.0	2.91	100	58	23-130		10/12/2004	1559
226936-2	Solid		50.0	1.14	100	57	23-130		10/12/2004	1611
226936-3	Solid		20.0	3.32	100	66	23-130		10/12/2004	1623
226936-4	Solid		1.00	64.8	100	65	23-130		10/12/2004	1635
226936-5	Solid		100.0	0.46	100	46	23-130		10/12/2004	1647
226936-6	Solid		100.0	0.23	100	23	23-130		10/12/2004	1658
227074-1	Solid			73.5	100	74	23-130		10/12/2004	1710
227074-2	Solid			61.2	100	61	23-130		10/12/2004	1722
227085-18	Solid			64.1	100	64	23-130		10/12/2004	1734

SURROGATE RECOVERIES REPORT

Job Number.: 226936

Report Date.: 10/28/2004

CUSTOMER: BNC Engineering, LLC

PROJECT: NORCO 2311

ATTN: Stephen Halasz

Surrogate	Units
Nitrobenzene-d5	mg/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
227085-19	Solid			73.9	100	74	23-130		10/12/2004	1746
227085-20	Solid		10.0	18.0	100	180	23-130	X	10/12/2004	1758
227085-21	Solid			56.1	100	56	23-130		10/12/2004	1809
227085-22	Solid			73.6	100	74	23-130		10/12/2004	1821
227085-23	Solid			67.0	100	67	23-130		10/12/2004	1833
227085-24	Solid			53.9	100	54	23-130		10/12/2004	1845
227107-21	Solid			68.8	100	69	23-130		10/12/2004	1857
227107-22	Solid		6.00	8.80	100	53	23-130		10/12/2004	1909
227107-23	Solid		10.0	6.23	100	62	23-130		10/12/2004	1920
227107-24	Solid		10.0	5.48	100	55	23-130		10/12/2004	1932
227107-25	Solid		5.00	11.8	100	59	23-130		10/12/2004	1944

Surrogate	Units
o-Terphenyl (Surrogate)	mg/L

Lab ID	Matrix	QC Type	Dilution	Result	True Value	Percent Recovery	Limits	Flag	Date	Time
	Solid	MB		82.4	100	82	55-150		10/12/2004	1500
	Solid	LCS		79.9	100	80	55-150		10/12/2004	1512
	Solid	LCD		81.9	100	82	55-150		10/12/2004	1524
226936-1	Solid		20.0	5.58	100	112	55-150		10/12/2004	1536
226936-1	Solid	MS	20.0	5.74	100	115	55-150		10/12/2004	1547
226936-1	Solid	MSD	20.0	5.25	100	105	55-150		10/12/2004	1559
226936-2	Solid		50.0	4.79	100	240	55-150	X	10/12/2004	1611
226936-3	Solid		20.0	8.88	100	178	55-150	X	10/12/2004	1623
226936-4	Solid		1.00	83.6	100	84	55-150		10/12/2004	1635
226936-5	Solid		100.0	3.37	100	337	55-150	X	10/12/2004	1647
226936-6	Solid		100.0	2.78	100	278	55-150	X	10/12/2004	1658
227074-1	Solid			84.8	100	85	55-150		10/12/2004	1710
227074-2	Solid			88.5	100	88	55-150		10/12/2004	1722
227085-18	Solid			80.2	100	80	55-150		10/12/2004	1734
227085-19	Solid			81.1	100	81	55-150		10/12/2004	1746
227085-20	Solid		10.0	8.55	100	86	55-150		10/12/2004	1758
227085-21	Solid			86.3	100	86	55-150		10/12/2004	1809
227085-22	Solid			84.4	100	84	55-150		10/12/2004	1821
227085-23	Solid			80.8	100	81	55-150		10/12/2004	1833
227085-24	Solid			85.0	100	85	55-150		10/12/2004	1845
227107-21	Solid			90.7	100	91	55-150		10/12/2004	1857
227107-22	Solid		6.00	21.9	100	131	55-150		10/12/2004	1909
227107-23	Solid		10.0	20.8	100	208	55-150	X	10/12/2004	1920
227107-24	Solid		10.0	13.8	100	138	55-150		10/12/2004	1932
227107-25	Solid		5.00	23.3	100	116	55-150		10/12/2004	1944

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2004

- (1) EPA 600/4-79-020, Methods for Chemical Analysis of Water and Wastes, March 1983
- (2) EPA SW-846, Test Methods for Evaluating Solid Waste, Third Edition, September 1986, and Updates I, II, IIIA, IIIB, and III
- (3) Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992
- (4) Methods of Organic Chemical Analysis of Municipal and Industrial Wastewater, Federal Register, Vol. 49, No. 209, October 1984 and 40 CFR Part 136 amendments
- (5) EPA 600/2-78-054, Field and Laboratory Methods Applicable to Overburdens and Minesoils
- (6) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965
- (7) ASTM, Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991
- (8) American Society for Testing and Materials, Petroleum Products, Lubricants, and Fossil Fuels, Section 5, Volumes 05.01 - 05.05
- (9) Hach Handbook of Water Analysis, 1979

Comments:

The test results in this report meet all NELAP requirements for parameters for which accreditation is held. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

Data in the QC report may differ from final results due to digestion and/or dilution of sample into analytical ranges. The "Time Analyzed" may not be the actual time of analysis. The "Date Analyzed" is the actual date of analysis. Sludge samples are reported on a wet weight basis (i.e., not corrected for percent moisture) unless otherwise indicated.

Quality Control acceptance criteria are based either on limits specified in the referenced method or on actual laboratory performance.

All data is reported on sample "as received" unless noted.

Sample IDs with a "-00" at the end indicate a blank spike or blank spike duplicate associated with the numbered sample.

SAMPLE RESULT IDENTIFICATION

ND = Not detected at a value greater than the reporting limit
TNTC = Too numerous to count

BLANK QC SAMPLE IDENTIFICATION

MB Method Blank
ICB Initial Calibration Blank
CCB Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS Method (Matrix) Spike
MSD Method (Matrix) Spike Duplicate
PDS Post Digestion/Distillation Spike
SB Spiked Blank
SBD Spiked Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS Laboratory Control Standard
RS Reference Standard
ICV Initial Calibration Verification Standard

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/28/2004

CCV Continuing Calibration Verification Standard
ISA/ISB ICP Interference Check Sample
DSC Distilled Standard Check

DUPLICATE QC SAMPLE IDENTIFICATION

MD Method (Matrix) Duplicate
ED Extraction Duplicate
DD Digestion Duplicate
PDD Post Digestion Duplicate
PSD Post Digestion/Distillation Spike Duplicate

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "technician" using the following codes:

SUBCONTRACT LABORATORIES

Severn Trent Laboratories:

Los Angeles, CA	*la	Houston, TX	*he
Aurora, CO	*au	North Canton, OH	*nc
Tampa, FL	*ta	Valparaiso, IN	*vp
Sacramento, CA	*sa	Chicago, IL	*ch
Pensacola, FL	*pe	Tallahassee, FL	*tl

Other:

Client provided data *cp Non-STL Subcontract Lab *xx

EXPLANATION OF DATA FLAGS

- B - This flag is used to indicate that an analyte is present in the method blank as well as in the sample. It indicates that the client should consider this when evaluating the results.
- D - This flag indicates that surrogates were diluted out of calibration range and cannot be quantified.
- E - Indicates that a sample result is an estimate because the concentration exceeded the calibration range of the instrument.
- I - Used to indicate matrix interference.
- X - Indicates that a surrogate recovery is outside the specified quality control limits.
- Y - Used to identify a spike or spike duplicate recovery is outside the specified quality control limits.
- * - Indicates a relative percent difference for a duplicate analysis is outside the specified quality control limits.
- ^ - Used to indicate that a standard is outside specified quality control limits.

EXPLANATION OF DATA QUALIFIERS

- B - Indicates that a value for an inorganic analysis is an estimate. It is used when a compound is determined to be present but at a concentration less than the quantitation limit of the method.
- J - Indicates that a value for an organic analysis is an estimate. It is used when a compound is determined to be present based on chromatographic pattern or mass spectral data, but at a concentration less than the quantitation limit of the method. This flag is also used when estimating the concentration of a tentatively identified compound.
- U - Indicates that a value is less than the MDL or was not detected.

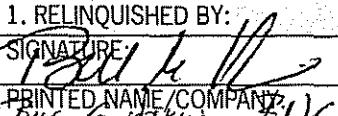
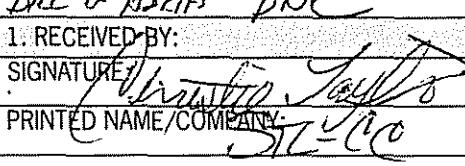
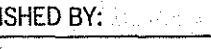
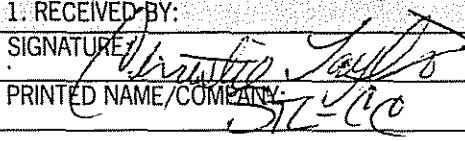
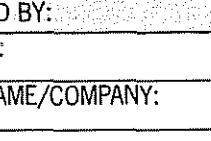
SEVERN
TRENT

STL

No. 27015

CHAIN OF CUSTODY RECORD

1.5°C

CUSTOMER INFORMATION		PROJECT INFORMATION		NUMBER OF CONTAINERS	ANALYSIS/METHOD REQUEST Soil, List of metals			
COMPANY: BNC Engineering	SEND REPORT TO: Steve Halas	PROJECT NAME/NUMBER: NORCO /2311	BILL TO:					
ADDRESS: 607 River Bend DR Georgetown, TX 78628		ADDRESS:						
PHONE: 512-930-1535	PHONE:							
FAX: 512-930-7696	FAX:	PO NO:						
SAMPLE NO.	SAMPLE DESCRIPTION	SAMPLE DATE	SAMPLE TIME			SAMPLE MATRIX	CONTAINER	PRESERV.
TK27W		9-29-04	0830			SOIL		1 X
TK27S			0840					1 X
TK26W			0850			1 X		
TK27S			0900			1 X		
TK7W			0905			1 X		
TK7E		✓	0910	✓		1 X		
				REMARKS/PRECAUTIONS				
SAMPLER: Bill Hoskins		SHIPMENT METHOD: Drop off		AIRBILL NO.:				
REQUIRED TURNAROUND* <input type="checkbox"/> SAME DAY <input type="checkbox"/> 24 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 10 DAYS <input type="checkbox"/> ROUTINE <input type="checkbox"/> OTHER								
1. RELINQUISHED BY: 	DATE 9/29/04	2. RELINQUISHED BY: 	SIGNATURE: Steve Halas	DATE	3. RELINQUISHED BY: 	DATE		
PRINTED NAME/COMPANY: BNC	TIME 11:10	PRINTED NAME/COMPANY:		TIME	PRINTED NAME/COMPANY:	TIME		
1. RECEIVED BY: 	DATE 9/29/04	2. RECEIVED BY: 	SIGNATURE: Lab Manager	DATE	3. RECEIVED BY: 	DATE		
PRINTED NAME/COMPANY: STL-CO	TIME 11:10	PRINTED NAME/COMPANY:		TIME	PRINTED NAME/COMPANY:	TIME		

*RUSH TURNAROUND MAY REQUIRE SURCHARGE

SEVERN TRENT LABORATORIES, INC.

1733 N. Padre Island Drive
Corpus Christi, TX 78408
Phone: (361) 289-2673 / Fax: (361) 289-2471

STL8222-560 (12/02)

rpjsckl	Job Sample Receipt Checklist Report		V2
Job Number.: 226936	Location.: 57203	Check List Number.: 1	Description.:
Customer Job ID.....:		Job Check List Date.: 09/29/2004	Date of the Report.: 10/05/2004
Project Number.: 98000084	Project Description.: Project - OVM		Project Manager.....: ovm
Customer.....: BNC Engineering, LLC		Contact.: Stephen Halasz	
Questions ?	(Y/N) Comments		
How did samples arrive?.....	Y	CLIENT DELIVERED	
Chain-of-Custody Present?.....	Y		
Custody seal on shipping container?.....	N		
...If "yes", custody seal intact?.....			
Custody seals on sample containers?.....	N		
...If "yes", custody seal intact?.....			
Samples chilled?.....	Y		
Temperature blank in cooler?.....	Y		
Temp of cooler acceptable? (0.05 to 6.00 deg C)	Y	1.5 DEGREES C	
Samples received intact (good condition)?.....	Y		
Volatile samples acceptable? (no headspace).....	NA		
Correct containers used?.....	Y		
Adequate sample volume provided?.....	Y		
Samples preserved correctly?.....	Y		
Samples received within holding-time?.....	Y		
Agreement between COC and sample labels?.....	N	SX#4 TK27S ON COC SHOULD BE TK26S	
Additional.....	<i>✓ 10/5/04</i>		
Comments.....			
Sample Custodian Signature.....			